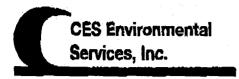
(41 LSS-Lonestez Houston, Inc. Prof. 12 # 144)

FEB-18-2008 15:43

CES Environmental Service

713 676 1676

P.02/02



MP 23008

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1480 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

CES Waste Approval #: 1441

Customer:

Lonestar Fasteners

Waste Generator:

**Lonestar Fasteners** 

Waste Stream Name:

Scrapped Poly Tanks

**Expiration Date:** 

3/21/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please send new profile as waste stream has changed.

☐ The following analysis is required for recertification.

Please sumbit results of the following tests.

- TE 303 / /

Customer Name

gai

LONE STAR FOSTENELS, L.F.

Company / Title

2-18-2008

Date

☐ TCLP Metals

**□ TCLP Volatiles** 

TCLP Semi-volatiles

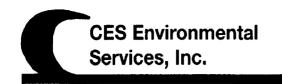
11 Reactivity

1 Corrosivity

□ Ignitability

TOTAL P.02





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 3/21/2006

Dear Kelvin Parker

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1441

Generator: LSS-Lonestar Houston, Inc

Address: 24131 Hardy Rd

Spring, TX 77373

#### Waste Information

Name of Waste: Scrapped Poly Tanks

**TCEQ Waste Code #:** 00414061

Container Type: Other Supersack

Detailed Description of Process Generating Waste:

Plastic chunks left from decommissioning of RCRA Empty poly tanks that were clean

(triple rinsed). Tanks were formerly in hazardous waste storage.

Color: Tan Odor: None pH: 4-11

Physical State: Solid Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION Cene	rator Information				
Сомрапу:	LSS-Lone Star Houston	n. Inc.			
Address:	24131 Hardy Road		<del></del>		
City, State, Lip:	Spring, TX 77373		······································		
Contact:	Kelvin Parker		Title:		
Phone No:	(281) 353-1191		Fax No:	(281) 353-4	989
24/hr Phone:	(281) 353-1191		,		
U.S. EPA I.D. No:	TXD987990330		ı		
State I.D.	39792		SIC Code:	N/A	•
SECTION 2: Billin	g Information – 🏿 Same	e as Above			
Address:					
City, State, Zip:		· · · · · · · · · · · · · · · · · · ·	<del>W.,</del>		
Contact:		Title:	<del></del>	·	
Phone No:		Fax No:	· · · · · · · · · · · · · · · · · · ·		
<del>-</del>					
SECTION Gener	ral Description of the Wa	<u>iste</u>			
Name of Wilter Scr Detailed De cription were cleane (triple r		Waste: Plastic chunks le	ft from decomn orage.	nissioning of I	RCRA Empty poly tanks that
Physical State:	Liquid [	Sludge	Powder		
<b>y</b>	Solid	Filter Cake	Combinatio	<u>.</u> .	
		I mitti Cave	Combinatio	11.	
Color: Tan	Odor	: None			
C01011 <u>1411</u>	Oddi	· Hone			
Specific Gravity (wa	ter=1): <u>0.8-0.85</u>	ensity: <u>7.34</u> lbs/gal			
Layers:	⊠ Single-phase	Multi-phase			
Container Type:	☐ Drum ☐	Tote -	Truck	$\boxtimes$ o	ther (explain)
Container S'	4.55				upersack
	· · · ·			<u> </u>	<u>upersack</u>
Frequency:	☐ Weekly ☐	Manakh.	0 . 4. 1	. 57	
- g-		Monthly 🛛	Quarterly		early
	ntainers): <u>5 Supersacks</u>	·			
Texas State /aste C	·				
Proper U.S. DOT Sh	ipping Name:	N/A			
Class: N/A	UN/NA:	N/A	PG: N/A		RQ: N/A

Flash Point	рН	Reactive Sulfides		e Cyanides	Solids	<del></del>
<u>&gt;200</u>	4-11	BRLmg/L	BRLmg	<u>/I</u>	100%	
03100	TOC	7'		Nick		
Oil&Grease N/Amg/l	TOC BRLmg/I	Zine BRLmg/I	Copper BRLmg/I	BRL		
SECTION 4: Physic			I DIZEMBI	1 DIVE	m: <u>E/1</u>	
		ENTS TABLE	<del></del>	Concentrat		Units
The v	vaste consists of	the following materials		Ranges are acc		or %
Polyethylene Chunk	S		1	00		100
A						
	•					
					-	
SECTION 5: Safety	Related Data					
-		s the use of special protective	equipment, p	lease explain.		
SECTION 6: Attach	ed Supporting	<u>Documents</u>				
		or analysis attached to this fo	orm as part of	the waste annro	val nacka	e.
<u>N/A</u>	,, 61241			· · · · · · · · · · · · · · · · · · ·	Itasagi	<b>&gt;</b> -
SECTION 7; Gener	ator's Knowled	ge Documentation				
Laboratory analysis generator knowledge		is waste characteristics, listed	l below, WAS	NOT PERFOR	MED base	d upon the follo
TCLP Metals:		were RCRA Empty before dec				
TCLP Volatiles:		were RCRA Empty before dec				
TCLP Semi-Volatile: Reactivity:		<u>were RCRA Empty before dec were RCRA Empty before dec</u>				
Corrosivity:	Containers	were RCRA Empty before dec	ommissioning			
Ignitability:	<u>Containers</u>	were RCRA Empty before dec	<u>ommissioning</u>			
SECTION 8: Gener	ator's Certificat	t <u>io</u> n				
The information conta attached description i omissions of composi	nined herein is be s complete and tion properties e	ased on  generator knowled accurate to the best of my kexist and that all known or sus sespribed by his document.	nowledge and	ability to detern	rine that n	o deliberate or
Andhaninad Stanatur	. //	15/dh		Date: <u>3/14</u>	/2006	
	,			Date. <u>0.14</u>		
Printed Name/Title:	VEIVIII LALKEL	ETTO WIATING				
					··········	
CES USE ONLY (DO NO						
Compliance Officer: _	Cobbass	Shord	Additional Info	ormation:	·············	·
Date: 3-21-0	06(	Approved Rejected				
Approval Number:	14/4			:		
Approvat number.						,

<u>Se</u>	CTION 9. Waste Receipt Classification Under 40 CFR 43	<u>7</u>	
Is	this mate all a wastewater or wastewater sludge?   YES	⊠ NO	
lf	Yes, co plete this section.		
PI	EASE ( IECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY,	GO TO THE NEXT PAGE.
Meta	ls Subcategory: Subpart A		
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges		
Ħ	Chromate wastes		
П	Air pollution control blow down water and sludges		
	Spent anodizing solutions		•
	Incineration wastewaters		
	Waste liquid mercury		
	Cyanide-containing wastes greater than 136 mg/l		
	Waste acids and bases with or without metals		
	Cleaning, rinsing, and surface preparation solutions from elec-	ctroplating or phosphatin	g operations
닖	Vibrate deburring wastewater		
Ц	Alkalir and acid solutions used to clean metal parts or equip	pment	•
Oils .	Subcates ry: Subpart B		
	Used o .s	•	
Ħ	Oil-water emulsions or mixtures		•
Ħ	Lubricants		•
Π	Coolants		
	Contaminated groundwater clean-up from petroleum sources	i	•
	Used petroleum products		•
	Oil spill clean-up		
	Bilge water	•	
	Rinse/wash waters from petroleum sources		
Щ	Interceptor wastes		
닐	Off-specification fuels		
H	Underground storage remediation waste		
H	Tank clean-out from petroleum or oily sources		
H	Non-contact used glycols		
$\forall$	Aqueou and oil mixtures from parts cleaning operations Wastev er from oil bearing paint washes		-
L)	wastew or from on bearing paint wastes		
<u>Organ</u>	nics Sub. 1egory: Subpart C		
П	Landfil eachate		
П	Contam nated groundwater clean-up from non-petroleum sou	المرعة	
Ħ	Solvent-bearing wastes	11003	
Ħ	Off-specification organic product		
	Still bottoms		
	Byproduct waste glycol		
	Wastewater from paint washes		
	Wastewater from adhesives and/or epoxies formulation		
	Wastewater from organic chemical product operations	e e	
	Tank clean-out from organic, non-petroleum sources		

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the	in the oils subcategory.
---	--------------------------

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess **(2)** of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or
	nickel above any of the values listed above, the waste should be classified in the organics subcategory.

	Metals Subcategory
$\boxtimes$	Oils Subcategory
	Organics Subcategory

### SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

LABORATORY TEST RESULTS

A&B Job ID 76928

Date: 12/27/2005

CLIENT: ESDM PROJECT: Lone Star T-2.T-3&T-4 Closure, Spring Tex ATTN: Hadi Elmi

Client Sample ID:

Cut Off Sections of T-2,T-3 & T-4

7134536031

Job Sample ID: 76928-01

Date Collected:

12/21/2005

Time Collected:

9:15

Sample Matrix: Solid

Sample Loc./Other Info.

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date	Time	Analyst
SW-846 6010B	TCLP Metals									
	Arsenic	BRL	mg/L	1	0.1	1.8	İ	12/22	12:47	SEC
	anune	0.54	mg/L	1	0.1	100		12/22	12:47	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5	1	12/22	12:47	SEC
	Chromium	0.61	mg/L	] 1	0.1	5		12/22	12:47	SEC
	Lead	BRL	mg/L	1	0.1	1.5		12/22	12:47	SEC
	Selenium	BRL	mg/L	1	0.5	1		12/22	12:47	SEC
	Silver	BRL .	mg/L	1	0.1	5		12/22	12:47	SEC
SW-846 7470A	TCLP Mercury						1			
	Mercury	BRL	j mg/L	1	0.002	- 0.2	i	12/22	16:00	SEC

Report Date: 12/27/2005

### QUALITY CONTROL CERTIFICATE

Jeb ID: 76928

Parameter		Spike	LCS	rcsd	LCS	LCSD		%RPD	%Rec		
Les Castral	Method	Added	Result	Result	Rec %	Rec %	RPD	CLimits	CLimits	QCBatchiD	Q
Arsonic	SW-846 6010B	1	0.91	[	91			<25	80-120	Q122205mt	
Barium	SW-846 6010B	1	0.84		84			<25	80-120	Q122205mt	
Cadmium	SW-846 6010B	1	0.88		88			<25	80-120	Q122205mt	
Chromium	SW-846 6010B	ŧ	0.92	}	92			<25	80-120	Q122205mt	
ead	SW-846 6010B	1	0.82	ļ 1	82			<25	80-120	Q122205mt	
Sefealum	SW-846 5010B	1	6.93		93			<25	80-120	Q122205mt	
lilver	SW-846 6010B	. 1	C.97	<u> </u> 	97			<25	80-120	Q122205mt	
dercury	SW-846 7470A	0.005	0.0046	<b>)</b> 	92			<35	71-143	Q122205hgt	

GCType: 555 and MSD													
Parameter	Method	QÇSapi Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RFD	RPD CLimits	%Rec CLimits	GC Batch 10	QC SampletD	Qus
Arsenic	SW-846 6010B	8RL	2	1.77	1.80	69	90	1.7	<30	45-138	Q122205mt	76910-02	1
panum	SW-846 6010B	0.44	2	2.04	2.06	60	81	12	<25	39-135	Q122205ml	75910-02	1
Cadmium	SW-846 6010B	BRL	2	1.65	1.67	83	84	1.2	<25	5 <del>6</del> -125	Q122205mt	76910-02	
Chromium	SW-846 60108	0.15	2	1.93	195	89	90	1.1	<25	52-125	Q122205mt	/6910-02	
Lead	SW-846 6010B	0.11	2	1.68	1.70	79	80	1.3	<25	55-125	Q122205mt	76910-02	1
Selenium	SW-848 6010B	BRL	2	1.78	1.81	89	91	1.7	<25	18-137	Q122205mt	76910-02	1
Silver	SW-846 60108	BRL	. 2	1.91	193	96	97	1.0	<25	26-148	Q122205mt	76910-02	
Mercury	SW-846 7470A	BRL	0.01	0.008	0.008	80	80	0.0	<35	61-175	Q122205hgt	76864-04	

QCType: Method Blank									
Parameter	Method	CAS#	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qual
Arsenic	SW-846 60108	7440-38-2	BRL	mg/L	1	D.1	Q122205ml	TCLP Metals	
Bartum	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q122205ml	TCLP Metals	

<sup>&</sup>quot;BRL-8elow Reporting Limit

Page 1 of 2

Report Date: 12/27/2005



QUALITY CONTROL CERTIFICATE

A & B Environmental Services, Inc. 10100 East Freeway Houston, Texas 77029

- Job (D: 76928

QCType: Method Blank	•								
Parameter	Method	CAS #	Result	Units	D.F.	Rpt Limit	QCBatch ID		Qua
Cadmium	SW-846 6010B	7440-43-9	BRL	mgil	1	0.1	Q122205mt	TCLP Metals	T
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q122205mt	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q122205ml	TCLP Metals	
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q122205ml	TCLP Metals	
Silver	SW-846 6010B	7440-22-4	BRL	mg/L		0.1	Q122205ml	TCLP Metals	l
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q122205hgt	TCLP Mercury	į

EPAHO112000563

A & B Labs		(	Ch	air	1 (	) f (	$C\iota$	ls:	00	ly								¥	age?	:	of	
10106 Ezst Fwy. (I-10), Ste. 180 1.	E		ORT	TO:		·L	12	2.		Transcr	ES	INVO					3.	PO#				
	mpany: <u>ES</u> dress: <u>444</u>				40	120					2	175		7 4	Ţ		1	Yerna	roun	d Time	(Busin	ess Days)
713-453-6060 Ad	oress: 4	TX	7/2	ک در	6-	) government	7	HEOR	35S:							-	1			Q Ne		
		401					٦,	Conta	u mêr							•		Same i 1 Day*	-	N69	eu oy	
ARR IODAN		-82			7-2			oue: Phon										2 Days				
7/09/18		-22				·	<del>1</del> .	-ион Гах					***************************************					a Days				
! 5. Project #	nail: O esa							: ¤∧. £⊣ma							-			7 Days		• Sur	haige a	pplies
6. Project Name / Location	iidii, U Coo	m (c)			-01	<del>-</del> ->				3.1	14. Co	ntaine	rs*	1		<u> </u>		$\overline{}$	$\overline{}$	1		
Lones Par T-2, T-1, & T-4	lacure	CON	i ja ja	. 7	- -	ar			į		15. Pre		tives		5							
7. Special Instructions (PLEASE PRINT)		, Ja. ( )		, ,		(30)				2	16.			/\v	<i>"</i>							
										aine		3	<i>\$</i> /,	<u>~</u>			/ /	/ /	/ ,	/ /	/	
3 TRRP Limits only 12 TRRP Rpt. Package 12 See A  8. Sampler's Name & Company (PLEASE PRINT)		e Cianni	4175 0	Data						Containers		1/2	7									
LAS COMPANY (FLEASE PRINT)	Sampler A	s Signal ./· C	UI & &	1318	, 2	1/2	11-	ے.		5			VV/		/	,	Ι,	/ ,				
HAD) ELMI, ESDM, ENC	10 000	سا ما	- 1		5 .da.	V 2	irix			Š	νŚ	% Q*	/			1				,		.a.,
oky sample to and Description	10. 588	npling	11		·				-			$\sqrt{\chi}$	/			/	/-	/	/			
E 0	Date	Time	Comp.	Wate	Soil	Sludge	ਠੋ	Ā	Other		/N		/_			$\angle$			17.	REM	ARKS	
Ol 1 CUT-OFF Sections of	19/2/65	9:15	-IX						V	1	1											
2 T-2, T-3, & T-4 anpty																						
3 Poberylene tanks		<u> </u>	11	1-						1	. 1											
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2 Jamon S. 20 lock	12/2//00	1610		$\leq$	` (	1							12/2	4/05	161	10	,,	. /		nta		
3	7.70														İ		(	IN T	om	مسك		
Containers: VOA - 40 mil vial A/G - Amber/Glass / Lifer			"Prese	rvalives				H - H(			-HNO <sub>3</sub>	,	· H,S0	٥,								
4 oz/5 oz - glass wide mouth PIO - Pestic/other METHOD OF SHIPMENT			D#: 1	OF LA		- NaCh			,s,o,	X	- Other										verbal ch	anges 3-453-6891
MITTER STATE OF THE PROPERTY O		В				7 K 17		PIVES I	,								Dia.	~~ EA)	Y trouble			CARL THE PARTY OF
	VTAL	<u>-</u>	/U																			er 30 days

EPAHO112000564

Ethy Cosporation 1412 Profile# 1442





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

### Waste Pre-Acceptance/Approval Letter

Date 3/22/2006

Dear Billy LeBlanc

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1442

**Generator:** Ethyl Corporation **Address:** 1000 N. South Street

Pasadena, TX 77501

#### Waste Information

Name of Waste: Oily Sludge from miscellaneous cleanout / cleaning activities.

**TCEQ Waste Code #:** 90286031

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Mannich, PIBSA, PAP, and other lube and fuel additive production processes, including

small spill clean-up waste material.

Color: Brown / Black

**Odor:** Oil Like

**pH:** 8-12

Physical State: Sludge Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information				
Company:	Ethyl Corporation				
Address:	1000 N. South Street (P.O. Box 472)				
City, State, Zip:	Pasadena, TX 77501				
Contact:	Steve Livesay	Title:	EHS Manager 713-740-8310		
Phone No: 24/hr Phone:	713-740-8371 CES-713-676-1460	Fax No:	/13-/40-8310		
U.S. EPA I.D. No:	TXD008096158	-			
State I.D.	30465	SIC Code:	2869		
SECTION 2: Billin	g Information - Same as Above				
Company:	Ethyl Corporation	<u> </u>			
Address:	P.O. Box 472				
City, State, Zip: Contact:	Pasadena, TX 77501 Accounts Payable Title:	Account Rep			
Phone No:	713-740-8371 Fax No:	713-740-83H			
-					
SECTION 3: Gene	ral Description of the Waste				
	y Sludge from Miscellaneous Cleanout/Cleaning .  n of Process Generating Waste: Mannich, PIBS		er lube and final additive production process		Formatted
including small spill	clean-up waste material	A, TAL MIG OU	et tude and tuet additive production process.		Formatted
	··· ·				
Physical State:	□ Liquid    □ Sludge    □	Powder			Formatted
	Solid Filter Cake	] Combination	en en en en en en en en en en en en en e		Formatted
C.1 D	Odern Oil Liller	4			Formatted
Color: Brown/Black	Odor: Oil Like				Formatted
Specific Gravity (w	nter=1): .85-1.20 Density: 10 lbs/gal				Formatted
A Property Contract C	Total In 199 199				Formatted
Layers:	Single-phase Multi-phase				Formatted
					Formatted
Container Type:	🛛 Drum 🗌 Tote 🗀	Truck	Other (explain)		Formatted
Container Size:	<u>55 q</u>			- N	Formatted
				`,	Formatted
Frequency:	☐ Weekly ☐ Monthly ⊠	Quarterly	☐ Yearly		Formatted
Number of Units (co	ontainers): 10 Other:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Formatted
Texas State Waste	Code No: 90286031				Formatted
Proper U.S. DOT S	nipping Name: Non-RCRA, Non-DC	T Regulated M	1aterial		Formatted
Class: NA	UN/NA: NA	PG: N	A RQ: NA		Formatted
					Formatted
					Formatted
					Formatted
	<b>4.</b>	<b></b>			Formatted
	1				<del></del>

<u>&gt;140</u>	рH	Reactive Sulfides		olids		Formatted	
	8-12.0	Qmg/I	Omg/l 1	0-100%		Formatted	
Oil&Grease	TOC	7ine Co.	oper Nickel		<del></del> -	Formatted	
>1500mg/l	>1500mg/l	Zinc Col <100mg/i Om	To		··· •··	Formatted	
SECTION 4: Phys			<u> </u>			Formatted	
	COMPON	ENTS FABLE	Concentration	Units		Formatted	
The		f the following materials	Ranges are acceptal			romates	
Water			0-70	%			
	ludge, oily pads,	booms, rags and misc. trash	5-100	%			
Organic Amine			0-5	%			
Phenol/o-Cresol			0.0-0.002	%			
		hyde, Dimethyl Aminopropyl amine	e, 0.0-0.007	%			
Tetraethylenepen	tamine, &1,2,4 tr	rimethylbenzene					
SECTION 6: Atta List all documents		Documents //or analysis attached to this form a	e nart of the waste engrous)	nockoga		(	
none An	dytical		s part of are waste approva	Patrage		Formatted	
SECTION 7: Inco	mpatibilities		s part of the react approva	package			
ECTION 7: Inco	mpatibilities			Parago		Formatted	
GECTION 7: Incorporation of the control of the cont	mpatibilities npatibilities (if a						
SECTION 7: Inco Please list all incor Dxidizers SECTION 8: Gen- Laboratory analys	mpatibilities  npatibilities (if a  erator's Knowled  is of the hazardo	ny):			llowing		
SECTION 7: Inco Please list all incor Oxidizers SECTION 8: Gen	mpatibilities npatibilities (if a erator's Knowles is of the hazardo	ny): Ige Documentation			llowing		
ECTION 7: Inco Please list all incor ECTION 8: Gen- aboratory analys enerator knowled FCLP Metals: FCLP Volatiles: FCLP Semi-Volati Reactivity: Corrosivity: gnitability:	mpatibilities npatibilities (if a erator's Knowlec is of the hazardo lge:	ny):  lge Documentation  rus waste characteristics, listed belo  rol Ti GJ			llowing		
SECTION 7: Inco Please list all incor Exidizers SECTION 8: Gen- Laboratory analys senerator knowled FCLP Metals: FCLP Volatiles: FCLP Semi-Volati Reactivity: Corrosivity: guitability: SECTION 9: Generator contracted description missions of compo	mpatibilities npatibilities (if a erator's Knowlec is of the hazardo lge:  A (  Les:  X  X  A (	ny):  lge Documentation  rus waste characteristics, listed belo  rol Ti GJ	w, WAS NOT PERFORMEI	D based upon the fo by certify that the ab that no deliberate ed. I certify that the	ove and or willful		
SECTION 7: Inco Please list all incor Oxidizers  SECTION 8: Gen- Laboratory analys generator knowled  FCLP Metals: FCLP Volatiles: FCLP Semi-Volati Reactivity: Corrosivity: genitability: SECTION 9: Generator contracted description omissions of compo	mpatibilities npatibilities (if a erator's Knowles is of the hazardo ige:  A (  A (  A (	ny):  lige Documentation  ous waste characteristics, listed belo  Addition  based on generator knowledge and accurate to the best of my knowle exist and that all known or suspector	w, WAS NOT PERFORMEI	D based upon the fo by certify that the ab that no deliberate ed. I certify that the	ove and or willful		

 ${\it PLEASE CHECK THE APPROPRIATE BOX.} \ {\it If no appropriate Category, go to the next page}.$ 

#### Metals Subcategory: Subpart A

П	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
	Vibratory deburring wastewater
П	Alkaline and acid solutions used to clean metal parts or equipment

#### Oils Subcategory: Subpart B

ப	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
ā	Contaminated groundwater clean-upfrom petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
П	Rinse/wash waters from petroleum sources
П	Interceptor wastes
	Off-specification fuels
ᅒ	Underground storage remediation waste
n	Tank clean-out from petroleum or oily sources
n	Non-contact used glycols
Ħ.	Aqueous and oil mixtures from parts cleaning operations
Ħ	Wastewater from oil bearing paint washes

### Organics Subcategory Subpart C

	Landfill leachate
╙	
П	Contaminated groundwater clean-up from nonpetroleum source
Ħ	Solvent-bearing wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation
П	Wastewater from organic chemical product operations

3

Tank clean-out from organic, non-petroleum sources

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
 If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory
Oils Subcategory
Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

# Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460 Fax:

7136761676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

6030102

Client Sample ID:

Light End Sludge

Extended ID:

**Ethyl Cory** 

Sample Collect Date: 3/3/2006 @ 11:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 3/6/2006 @ 2:20:00 PM

Test Group / Method					
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: CKIME Date / Time
Arsenic	0.014	5	0.016	mg/L	3/13/2006 / 4:45 PM
Barium	0.0005	100	0.126	mg/L	3/13/2006 / 4:45 PM
Cadmium	0.002	1	< 0.002	mg/L	3/13/2006 / 4:45 PM
Chromium	0.002	5	0.066	mg/L	3/13/2006 / 4:45 PM
Lead	0.005	5	0.010	mg/L	3/13/2006 / 4:45 PM
Selenium	0.024	1	0.036	mg/L	3/13/2006 / 4:45 PM
Silver	0.002	5	< 0.002	mg/L	3/13/2006 / 4:45 PM
TCLP Mercury Method: SW-846 7470A	MDL _	RL	Result	Units	Analyst: CKIME Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	3/13/2006 / 5:38 PM
TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Pyridine	0.05	5	< 0.05	mg/L	3/15/2006 / 8:33 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	3/15/2006 / 8:33 PM
o-Cresol	0,05	200	2.66	mg/L	3/15/2006 / 8:33 PN
m+p-Cresol	0.05	200	4.10	mg/L	3/15/2006 / 8:33 PN
Hexachloroethane	0.05	3	< 0.05	mg/L	3/15/2006 / 8:33 PM
Nitrobenzene	0.05	2	< 0.05	mg/L	3/15/2006 / 8:33 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	3/15/2006 / 8:33 PM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	3/15/2006 / 8:33 PM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	3/15/2006 / 8:33 PM
2,7,0°111011010010101	0.00				
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L	3/15/2006 / 8:33 PN
•		0.13 0.13	< 0.05 < 0.05	•	3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM

Report Date: 16-Mar-06

Page 1 of 2

### - CERTIFICATE OF RESULTS -

MES Lab#:

6030102

Client Sample ID:

Light End Sludge

Extended ID:

Ethyl Cory

Sample Collect Date: 3/3/2006 @ 11:00:00 AM

Sample Receipt Date: 3/6/2006 @ 2:20:00 PM

Sample Type:

Grab

Reactivity, Recoverable Hyd	rogen Cvanide		·	Analyst: AS	
Method: 7.3.3.2	MDL	Result	Units	Date / Time	<u> </u>
Hydrogen Cyanide	0.25	< 0.25	ma/ka	3/8/2006 /	4:00 PM

Reactivity, Recoverable Hyd	drogen Sulfide			Analyst: AS	
Method: 7.3.4.2	MDL	Result	Units	Date / Time	_
Hydrogen Sulfide	0.25	< 0.25	mg/kg	3/7/2006 /	2:50 P
Corrosivity: pH				Analyst: CL	

Method: SW-846 9045	SW-846 9045 MDL		Result Units		Date / Time		
рH		3.63		3/8/2006 /	2:00 PM		
lanitability				Analyst Cl			

Ignitability Method: SW-846 1010 MDL		Result	Units	Analyst; CL Date / Time		
Flashpoint		>150	deg F	3/9/2006 /	11:30 AM	

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Daniel C Wolbrecht, Laboratory Manager

Thursday, March 16, 2006

Date

Report Date: 16-Mar-06

Page 2 of 2

6030102

#### **MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT**

SURROGAT	E SPIKE RECOVI	RY FO	R SEMI	/OLATI	LES		% REC	<u> </u>	
2-Fluoropher Phenol-d6 Nitrobenzene 2-Fluorobiphe 2,4,6-Tribron p-Terphenyl-	e-d5 enyl nopheпol						103.0 77.4 54.2 111.0 33.5 102.7		
ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC	
Arsenic	< 0.002	100.3	91.9	8.72	< 0.002	98.3	106.0	90.4	
Barium	< 0.002	101.0	97.6	3.48	< 0.002	94.2	92.4	86.1	
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4	
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7	
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3	
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0		
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1	
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6	
ANALYTE		STD							
Flashpoint		92°F							
ANALYTE	BUFFER 7.0	ORIG	DUP	RPD					
рΗ	7.0	7,76	7.76	0.00		• .			
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD					
Reactivity as	Hydrogen Sulfide	< 0.25	< 0.25	0,00					
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD	STD %REC				
Reactivity as	Hydrogen Cyanide	< 0.25	< 0.25	0.00	105				

Mercury Environmental Services, Inc. -

6030102 Page 2

### **QA/QC REPORT CONTINUED**

Key to QA Abbreviations

MS=Matrix Spike RPD=Relative Percent Deviation LCS=Laboratory Control Standard CCB=Continuing Calibration Blank MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature:

Daniel C. Wolbrecht / Laboratory Manager

March 16, 2006

- Mercury Environmental Services, Inc. -

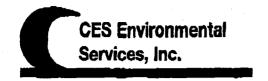
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92

PAGE

	COMPANY NAME: (BILL TO:)					] ,	ME	ES		- C	IIAH	V OF	CUS	TODY	1-800-771-4MES (281) 476-4534
	COMPANY ADDRESS:	<del> </del>				1	Merci 1913 H	iry E	nvir • De	onm er Par	enta k, TX	l Sei 77536	vice	s	Fax (281)-476-4406
7	CITY	57/3/a 4/7-57	ATE	ZIP					TERS F					7 /	HEMARKS
- 1	CONTACT PERSON'S NAME:	7/)/a	40400	27_	<del></del>		L.V	7	K	7		7		16/	TIPHAPOUND THE
	CONTACT PERSON'S PHONE: 1/3-0	4(7-3)						/					NUMBER OF CO.	'TAINER	5TD
2	E thy cory Vin Ga	ny .	YOUR PR	OJECT NAME:		]/[		بر /لإ	ÿ/				18	PRESERVATIONS	DETECTION LIMITS SPECIAL LIMITS REQUIRED
7	PROJECT ADDRESS:					$V \langle V \rangle$	7 1	8	/ ,		/	/	Maes	ESEAU	<b>Yes</b> No Please circle one, il Yes,
1	YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	XIRTAM	1		12					(₹	₽.	please describe below or include separate
	Light End Studge	G	3-3-04	11:axto	1 Sludge	1	1						1	ME	sheet detailing requirements.
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l															
						<del>                                     </del>									
8						1	<b></b>						-		Soir
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1						-	}					-	-		
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	·														Lanua
6	PERSON TAKING SAMPLE SIGNATURE (8 PINN NAME)		mp-		(Signs	HQUISHED	0 BY:	, pe			3-	64	TIME 2.	20	Duni)
	(Signature)	TIME TIME	RECEIVED (Signature)	BY:	RELI	MOUISHE!	Paris I				DAT	E !	TIME		CEIVED BY:
	ISI	(IPPED BY: Ignolure)		COU (Sign	IAJER valure)				18 E	OFFICE P	DA VES		X	•	Plat 20
8	Sample Remainder Disposal  Return Sample Remainder To Client Via	Garz	Brauc	th new		Request (	Lab To D	ispose	Of All S	ample R	empind	ers	J	(Date)	
	Form # MES - CCRI				- 1 re-#r										



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-1442** 

Customer:

Ethyl Corporation

Waste Generator:

Ethyl Corporation

Waste Stream Name:

Oily Sludge from miscellaneous cleanout / cleaning activities.

**Expiration Date:** 

3/22/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

The following analysis is required for recertification.

Please send new profile as waste stream

has changed.

Please sumbit results of the following tests. TCLP Metals

TCLP Volatiles **TCLP Semi-volatiles** 

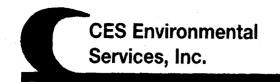
Reactivity

Corrosivity

Ignitability

Prolen Southwest 1443 Profile # 1443





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 3/21/2006

Dear Leslie Smith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1443

Generator: Proler Southwest

Address: 90 Hirsch Rd

Houston, TX 77052

Waste Information

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oily water from metal recycling operations. Oil and coolants are collected off recycled

pH: na

metals and from areas around the recycling facility where metalls are stored.

Odor: Oil like

Color: Varies
Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

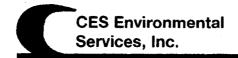
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021 Fax: (713) 676-1676

Phone: (713) 676-1460

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 **ISWR No: 30900** 

SECTION 1: Gener	rator Information						*
Company:	Proler Southwest,	Inc.					
Address:	90 Hirsch Rd.				~		
City, State, Zip:	Houston, TX 770:	52					
Contact:	Leslie Smith		······		Title:	Production	on Superintendent
Phone No:	713-671-2900				Fax No:	713-671-	
24/hr Phone:	713-539-6894		····		<del></del>		
U.S. EPA I.D. No:	Na				-		
State I.D.	Na				SIC Code:		
					-		<del></del>
SECTION 2: Billing	g Information -	Same a	as Above				
Company:	Proler Southwest, In						
Address:	PO Box 53028						
City, State, Zip:	Houston, TX 77052						
Contact:	Leslie Smith			Title:	Production Su	perintende	nt
Phone No:	713-671-2900			Fax No:	713-671-9292		
_							
SECTION 3: Gener	ral Description of th	e Was	<u>te</u>				
Name of Waste: Re- Detailed Description recycled metals and f	of Process Genera					operations	. Oil and coolants are co∳lected of
Physical State:	∠ Liquid		Sludge		Powder		
	☐ Solid	П	Filter Cal	ke [	Combinatio	n	
				_	_		
Color: Varies		Odor:	None 0	il like			
Specific Gravity (wa	nter=1): <u>.9</u>	De	ensity: <u>8</u> lb	s/gal			
Layers:	Single-phase		⊠ Mul	ti-phase			
Contain an Trans	☐ Drum		Tote	×	Truck		Other (explain)
Container Type:	Drum		Tote	<u> </u>	=	<u> </u>	Other (explain)
Container Size:					<u>5000</u>		
Frequency:	☐ Weekly	$\boxtimes$	Monthly		<b>Quarterly</b>		Yearly
•	. •	<u>K_3</u>			<b>Q</b>		
Number of Units (co	· —		Other: _				
Texas State Waste C	Code No: K	ecyclal	bie				
Proper U.S. DOT Si	nipping Name:		Recyclable	e Oily Wate	er Mixture		
Class: Na	UN/N	iA:	Na		PG: Na		RQ: Na
Flash Point	pН	Rea	ctive Sulfic	les	Reactive C	yanides	Solids
>200	<u>Na</u>	<u>O</u> mg	;/I		<u>0</u> mg/l		0-2%
Oil&Grease	TOC		Zinc		Copper		ckel
>100mg/l	Nama/I		Namo/I		Namg/I	∣ Na	amg/l

### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials		Units or %	
Oil		5-20	%
Water		70-90	%
Coolants		5-10	%
			,
		-	

The waste con	sists of the following materials	Ranges are acceptable	07 %
Oil	`	5-20	%
Water		70-90	%
Coolants		5-10	%
		•	
SECTION 5: Safety Related	Data	4	
	equires the use of special protective eq	uipment, plezse explain.	
SECTION 6: Attached Suppo	orting Documents		•
List all documents, notes, data None	, and/or analysis attached to this form	as part of the waste approval packa	ige.
SECTION 7: Incompatibilitie	<u>1</u>		
Please list all incompatibilities None Oxidi3245	(if any):	4	
SECTION 8: Generator's Kn	owledge Documentation		
Laboratory analysis of the haz generator knowledge:	ardous waste characteristics, listed be	elow, WAS NOT PERFORMED base	ed upon-the follow
TCLP Metals: X	. • • • • • • • • • • • • • • • • • • •		
TCLP Volatiles: X			
TCLP Semi-Volatiles: X			**
Reactivity: X			•
			, ·
Ignitability: X			
SECTION 9: Generator's Cer	tification		
attached description is complete ornissions of composition prope	n is based on generator knowledge as a and accurate to the best of my known rties exist and that all known or suspec- aterials described by this document.	viedge and ability to determine that r	no deliberate or wi
Authorized Signature:	she Comico	Date: <u>03/16/06</u>	
Printed Name/Title: 16	slie CSMIth PRO	B. Supt	
·	·	<u> </u>	
CES USE ONLY (DO NOT WHITE II	N TRIS SPACE)		
Compliance Officer: Robbe	followed Add	ditional Information:	
Date: 3-21-06	Approved Rejected		
American November 144	43		

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	1
Compliance Officer: Palbal May &	Additional Information:
Date: 3-21-06 Approved Rejected	
Approval Number: 1443	
	2

Lia 671 osis

PROLER SOUTHWEST

Mar 20 2006 2:50PM

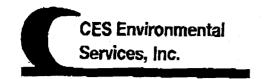
ECTION 10: Waste Receipt Classification Under 40 CFR 437
this material a wastewater or wastewater sludge? X YES NO
'Yes', complete this section.
LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
als Subcategory: Subpart A
Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater
Alkaline and acid solutions used to clean metal parts or equipment
Subcategory: Subpart B
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
anics Subcategory: Subpart C
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the of the	waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excevalues listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

### **SECTION 11: Additional Instructions**

**Organics Subcategory** 

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #:	1443	
Customer:	Proler Southy	ves <b>t</b>
Waste Generator:	Proler Southw	vest
Waste Stream Name:	Recyclable Oi	ly Water
Expiration Date:	3/21/2008	
profiles on an annual basis. generation process of the af hazardous as per 40 CFR 26 Generator hereby certifies this waste stream remain the Appropriate Box)	The purpose of the forementioned wast \$1.3. hat the components a same as when issues.	nental Services, Inc. requires recertification of all approved waste is form is to confirm that no changes have been made in the te stream and that the waste stream remains classified as non- in the aforementioned waste stream and the process generating used the aforementioned CES Waste Approval Number: (Check
No changes, please recer	tify.	CI Analysis is NOT required for recertification.
Please send new profile a has changed.  Plotek South L.  Customer Name  Signature  Company / Title  Jan 24266	Pest	☐ The following analysis is required for recentification. Please sumbit results of the following tests.  ☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability
Date		000

Ethyl Corporation 1444
Regiet # 1444

La.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 3/22/2006

Dear Billy LeBlanc

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1444

**Generator:** Ethyl Corporation **Address:** 1000 N. South Street

Pasadena, TX 77501

### **Waste Information**

Name of Waste: Lube Additives / Waste Oils

TCEQ Waste Code #: Recycle

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Mannich, PIBSA, PAP, and other lube and fuel additive from production processes.

Color: Brown / Black

Odor: Oil Like

**pH:** 8-12

Physical State: Liquid Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

Phone: (713) 676-1460 Fax: (713) 6 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information						
Company:	Ethyl Corporation						
Address:	1000 N. South Street	(P.O. Box 472)					
City, State, Zip:	Pasadena, TX 77501						
Contact:	Steve Livesay		Title:	EHS Manager			
Phone No:	713-740-8371		Fax No:	713-740-8310			
24/hr Phone:	CES-713-676-1460		_				
U.S. EPA I.D. No:	TXD008096158		_				
State I.D.	30465		SIC Code:	2869			
SECTION 2: Billing	g Information – Sau	e as Above					
	Ethyl Corporation						
	P.O. Box 472						
	Pasadena, TX 77501				<u></u>		
	Accounts Payable 713-740-8306	Title:	Account Rep				
rnoue No:	/13-/40-8306	Fax No:	713-740-831	<u> </u>			
SECTION 3: Gener	al Description of the W	aste					
Name of Waste: Lui	be Additives/Waste Oils				from		
Detailed Description	of Process Generating	Waste: Mannich, PIB	SA, PAP and of	her lube and fuel a	dditive production proces	ses	Formatted
Physical State:	☑ Liquid [	] Sludge [	Powder		<b>.</b> \		Formatted
2.119.11.11.11.1	·· <del>····</del> •···· •	The Breeze Charles are an annual E	Combinatio	••• ,•••• •••• ••••			Formatted
			<b>_</b>				Formatted
Color: Brown/Black	Odo	r: Oil Like					Formatted
S-1-15- C-11- (	4						Formatted
Specific Gravity (wa	ter=1): <u>.85-1.00</u>	Density: B lbs/gal	•				Formatted
Layers:	Single-phase	Multi-phase					Formatted
	Aller Million						Formatted
Container Type:	□ Drum     □	Tote [	Truck	Othe	r (explain)		Formatted
Container Size:	<u>55 g</u>					****	Formatted
						, `	Formatted
Frequency:	☐ Weekly [	] Monthly 🛛	Quarterly	Year Year	ly	· , i	Formatted
Number of Units (co		Other:					Formatted
Texas State Waste C	ode No: NA-R	cylable Material				÷.	Formatted
Proper U.S. DOT Sh	ipping Name:	Non-RCRA, Non-DO	OT Regulated M	laterial		•	Formatted
Class: NA	UN/NA:	NA	PG: NA	<del></del>	RQ: NA	·	Formatted
							Formatted
							Formatted
Flash Point	att In		18				Formatted
>140		active Sulfides	Reactive C		olids 3%		Formatted
	<u> </u>	1	Augh	13	270	- (	Formatted
		_					

OIL COLLEGE	TOC	7	T 0	NIL-1-P		<del></del> 1	
Oil&Grease >1500mg/l					} .	Formatted	
SECTION 4: Physical and Chemical Data				Din B.			Formatted
52011011111111111					1 25 10.		Formatted
The	COMPONENTS T vaste consists of the fo			Concentration Ranges are acceptable	Onits or %		
	ANTE COURTER OF THE TO	HOWING INSTELLERS					
Water				0-70	%		
Light Ends Oil				30-100	%		
Organic Amine				0-5	%	,	
Phenol/o-Cresol	and formatelebooks to	Carada d Allendaria d a		0.0-0.002	%		
		imethyl Aminopropyl a	mine,	0.0-0.007	%		
Tetraetnylenepental	mine, &1,2,4 trimethy	ipenzene					
If the handling of thi Level D	SECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  Level D  SECTION 6: Attached Supporting Documents						
List all documents, n	otes, data, and/or ana	lygis attached to this fo	rm as pai	rt of the waste approval pack	age.	_	Formatted
Chlor D Tect Results		Š	!				
SECTION 7: Incom	patibilities	4					
Please list all incomp	atibilities (if any):						Formatted
Oxidizers						.,	
SECTION 8: Generator's Knowledge Documentation  Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:  TCLP Metals:  TCLP Volatiles:  TCLP Semi-Volatiles:  TCLP Semi-Volatiles:  Reactivity:  Corrosivity:  Ignitability:  X							
SECTION 9: Genera	tor's Certification						
SECTION 9: Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been stilosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature:  Date: 3/20/06  Formatted							
Printed Name/Title:	maroid Steven Lives	ay, Manger, Reg Affairs					Formatted
Ces use only (do not Compliance Officer:	Port Whigh Ch Appro	Mayor		Information:			

ECTION 10: Wasie Receipt Classification Chief 40 CFR 45	
s this material a wastewater or wastewater sludge? TYES	⊠ NO
f 'Yes', complete this section.	
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPR	NATE CATEGORY, GO TO THE NEXT PAGE.
tals Subcategory: Subpart A	
Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electry Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipments	
s Subcategory: Subpart B	
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
ganics Subcategory Subpart C	
Landfill leachate Contaminated groundwater clean-up from nonpetroleum source Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations	es es
e e e e e e e e e e e e e e e e e e e	Yes', complete this section.  LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE Subcategory: Subpart A  Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electry Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipm  Subcategory: Subpart B  Used oils Oil-water emulsions or mixtures Lubricants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes  wics Subcategory Subpart C  Landfill leachate Contaminated groundwater clean-up from nonpetroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from paint washes Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation

<sup>(1)</sup> If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)	If the v	waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excessivalues listed below, the waste should be classified in the metals subcategory.
		um: 0.2 mg/L
	Chrom	ium: 8.9 mgL
	Coppe	c: 4.9 mg/L
	Nickel	: 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organicsubcategory.
		Metals Subcategory
		Oils Subcategory

#### SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for theost of the analysis.

# Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

7136761676 Fax:

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

6030102

Client Sample ID:

Light End Sludge

Extended ID:

Ethyi Cory

Sample Collect Date: 3/3/2006 @ 11:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 3/6/2006 @ 2:20:00 PM

Test Group / Method					
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: CKIME Date / Time
Arsenic	0.014	5	0.016	mg/L	3/13/2006 / 4:45 PM
Barium	0.0005	100	0.126	mg/L	3/13/2006 / 4:45 PM
Cadmium	0.002	1	< 0.002	mg/L	3/13/2006 / 4:45 PM
Chromium	0.002	5	0.066	mg/L	3/13/2006 / 4:45 PM
Lead	0.005	5	0.010	mg/L	3/13/2006 / 4:45 PM
Selenium	0.024	1	0.036	mg/L	3/13/2006 / 4:45 PM
Silver	0.002	5	< 0.002	mg/L	3/13/2006 / 4:45 PM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: CKIME Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	3/13/2006 / 5:38 PM
TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Pyridine	0.05	5	< 0.05	mg/L	3/15/2006 / 8:33 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	3/15/2006 / 8:33 PM
o-Cresol	0.05	200	2.66	mg/L	3/15/2006 / 8:33 PM
m+p-Cresol	0.05	200		•	
	0.05	200	4.10	mg/L	3/15/2006 / 8:33 PM
Hexachloroethane	0.05 0.05	3	<b>4.10</b> < 0.05	mg/L mg/L	3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM
				mg/L	3/15/2006 / 8:33 PM
Hexachloroethane Nitrobenzene Hexachlorobutadiene	0.05	3	< 0.05	mg/L mg/L	3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM
Nitrobenzene	0.05 0.05	3 2	< 0.05 < 0.0 <b>5</b>	mg/L	3/15/2006 / 8:33 PM
Nitrobenzene Hexachlorobutadiene 2,4,6-Trichlorophenol	0.05 0.05 0.05	3 2 0.5	< 0.05 < 0.05 < 0.05	mg/L mg/L mg/L	3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM
Nitrobenzene Hexachlorobutadiene	0.05 0.05 0.05 0.05	3 2 0.5 2	< 0.05 < 0.05 < 0.05 < 0.05	mg/L mg/L mg/L mg/L	3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM
Nitrobenzene Hexachlorobutadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol	0.05 0.05 0.05 0.05 0.05	3 2 0.5 2 400	< 0.05 < 0.05 < 0.05 < 0.05 < 0.05	mg/L mg/L mg/L mg/L mg/L	3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM 3/15/2006 / 8:33 PM

Report Date: 16-Mar-06

Page 1 of 2

### - CERTIFICATE OF RESULTS -

MES

MES Lab#:

6030102

Client Sample ID:

Light End Sludge

Extended ID:

Ethyl Cory

Sample Collect Date: 3/3/2006 @ 11:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 3/6/2006 @ 2:20:00 PM

Reactivity, Recoverable Hydro Method: 7.3.3.2	gen Cyanide MDL	Result	Units	Analyst: AS Date / Time
Hydrogen Cyanide	0.25	< 0.25	mg/k <b>ģ</b>	3/8/2006 / 4:00 PM
Reactivity, Recoverable Hydro Method: 7.3.4.2	gen Sulfide MDL	Resuit	Units	Analyst: AS Date / Time
Hydrogen Sulfide	0.25	< 0.25	mg/kg	3/7/2006 / 2:50 PM
Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
рН		3.63		3/8/2006 / 2:00 PM
Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: CL Date / Time
Flashpoint		>150	deg F	3/9/2006 / 11:30 AM

Flage: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Daniel C Wolbrecht, Laboratory Manager

Thursday, March 16, 2006

Date

6030102

#### MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

SURROGAT	E SPIKE RECOV	ERY FO	R SEMI	OLATI	% REC			
2-Fluoropher Phenol-d6 Nitrobenzene 2-Fluorobiphe 2,4,6-Tribron p-Terphenyl-	e-d5 enyl nophenol						103.0 77.4 54.2 111.0 33.5 102.7	
ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Arsenic	< 0.002	100.3	91.9	8.72	< 0.002	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	94.2	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88,1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94,1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6
ANALYTE Flashpoint	, — — — — — — — — — — — — — — — — — — —	STD 92°F						
ANALYTE	BUFFER 7.0	ORIG	DUP	RPD				
pH	7.0	7.76	7.76	0.00				
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD				
Reactivity as	Hydrogen Sulfide	< 0.25	< 0.25	0.00				
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD	STD %REC			
Reactivity as	Hydrogen Cyanide	e < 0.25	< 0.25	0.00	105		•	

— Mercury Environmental Services, Inc. —

6030102 Page 2

#### **QA/QC REPORT CONTINUED**

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature:

Daniel C. Wolbrecht / Laboratory Manager

March 16, 2006

– Mercury Environmental Services, Inc. –

-2814754406

03/16/2006 12:27

PAGE

	COMPANY NAME: (BILL TO:)													1-800-771-4MES (281) 476-4534	
	COMPANY ADDRESS:		<del></del>		· · · · · · · · · · · · · · · · · · ·	6	Mercu 913 Hv	iry E	nvir • De	onm eer Par	enla k, TX	l Sei 77536	rvice	es .	Fax (281)-476-4406
	CITY	7/3/a 4/7-57	ATE	ZIP						FOR A			<del></del>	7 /	HEMARKS
	CONTACT PERSON'S NAME:	1/25	137			4	(V)	$\overline{}$	(6,				,	7 , /	TURNAR CHINA TIME
								ul					NUMBER OF C.	VTAINE	5TD
	YOUR PROJECT NO: YOUR P.O. #:  E thy   CONS VINC Goes		YOUR PR	OJECT NAME:		1/3	17	يا /لا					1 3	PRESERVATIONS	DETECTION LIMITS SPECIAL LIMITS REQUIRED
	PROJECT ADDRESS:			<del></del>	<del>, , , , , , , , , , , , , , , , , , , </del>	1/ パ	h b	18	/	/			\\ <u>\&amp;</u>	1 8 S	Yes No
					T	$\checkmark$	1	77	/	/ /	/	1	<b>M</b> 3		Please circle one, il Yes, please describe below
	YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	+ -				_	_	-	1		or include separate sheet detailing
	Light End Studge	(r_	3-30	11.axto	1 Sludge	1	ン						1	ME	requirements.
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ľ	PERSON TAKING SAMPLE SIGNATURE (8 Print Name)	1	n/L			NQUISHED	BY:	n			JAT Z-	6-06	TIME 2.	201	EVEDAY
	RELINQUISHED BY DA		RECEIVED (Signeture)	BY:	RELI 1Signs	NOUISHED Intel					DAT	E	TIME	FLET	EIVED BY
		PPED BY:		COU (Sign	IRIER Mure)				IS IS	THE P	DE VES		X		Plate
١	Sample Remainder Disposal		_		011	Request L	ab To D	ispose (	Of All S	ample R	emaind	818	()		
	Return Sample Remainder To Client Via	Garz	- Brauce	concor	[Sign	wyte)							<u> </u>	Dait)	
•	Form # MES - CCRI														

11

**2**1003 P.002



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460

Fax. (713) 676-1676

### Waste Profile Re-Certification Form

CES Waste Approval #:

**HOU-1444** 

Customer:

Ethyl Corporation

Waste Generator:

**Ethyl Corporation** 

Waste Stream Name:

Lube Additives / Waste Oils

**Expiration Date:** 

3/22/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please sumbit results of the following tests.

The following analysis is required for recertification.

Please send new profile as waste stream

has changed.

Signature

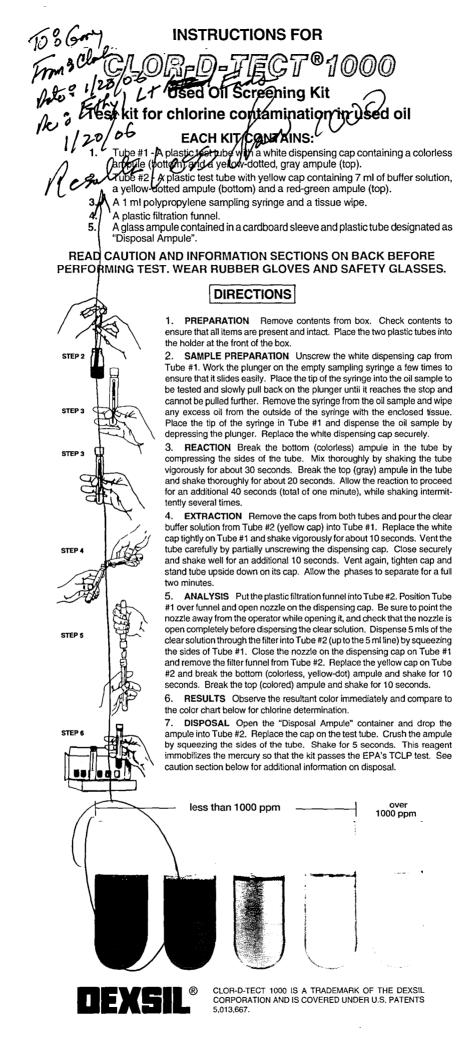
**TCLP Volatiles** 

**TCLP Metals** 

TCLP Semi-volatiles

Reactivity Corrosivity

Ignitability



# SUGGESTIONS FOR USING THE CLOR-D-TECT® 1006 TEST-KIT

- To test at 500 ppm chlorine instead of 1000, double the oil sample size by filling the sampling syringe twice.
- The kit is designed for testing used oils, and is not intended for use on water/oil mixtures that contain more than 20% water. For samples that contain more than 20% water, contact Dexsil about our Hydroclor-Q® kit designed for testing samples for chlorinated organic compounds in water.
- The kit works well on all types of waste and used oils including crankcase, hydraulic, diesel, lubricating, fuel oils and kerosene. It is designed for use only on oils which are hydrocarbon-based. Some oil, such as cutting oils which contain more than 3 or 4% sulfur, may give false positive results, false negatives are, however, unlikely. For any questions regarding the applicability of the kit on your sample, contact Dexsil's technical service department.
- The kit should be examined upon opening to see that all of the components are present and that all the ampules (5) are in place and not leaking. The liquid in Tube #2 (yellow cap) should be approximately 1/2 inch (1 cm) above the 5 ml line and the tube should not be leaking. The ampules are not intended to be completely full.
- Perform the test in a warm, dry area with adequate light. In cold weather, a truck cab is sufficient. If a warm area is not available, Step 3 should be performed while warming Tube #1 in palm of hand.
- Always crush the clear ampule in each tube first. If this sequence has not been followed, stop the test immediately and start over using another complete kit. When an incorrect testing sequence is followed, a false negative may result which may allow a contaminated sample to pass without detection.
- In Step 4, tip Tube #2 to an angle of only 45° to prevent the ampule holder from sliding out.

### **CAUTION**

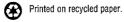
- When crushing the glass ampules, press firmly in the center of the glass ampule ONCE. Never attempt to recrush broken glass as it may come through the plastic and cut fingers.
- In case of accidental breakage onto skin or clothing, wash immediately with large amounts of water. All the ampules are poisonous and should not be taken internally.
- Do not carry kits on passenger aircraft.
- The gray ampule in the white-capped test tube contains metallic sodium.
   Metallic sodium is a flammable solid and is water reactive.
- Wear rubber gloves and safety glasses while performing test.
- Dispose of used kits properly. The mercury in Tube #2 is made insoluble by the disposable ampule and used kits will pass the USEPA TCLP test for land disposal. More stringent state and local regulations may apply. Contact Dexsil if you have any specific questions concerning disposal procedure.
- Read the Material Safety Data Sheet before performing the test.
- Keep Out of Reach of Children.

### **MANUFACTURER'S WARRANTY**

This kit is warranted to be free of defects in material and workmanship until the expiration date stamped on the box. Manufacturer's sole and exclusive liability under this warranty shall be limited to replacement of any kit that is proved to be defective. Manufacturer shall not be liable for any incidental or consequential damages.

Reliable test results are highly dependent upon the care with which the directions are followed and, consequently, cannot be guaranteed.

This kit was manufactured by **DEXSIL®** Corporation One Hamden Park Drive, Hamden, Connecticut 06517 (203) 288-3509 FAX: (203) 248-6523 http://www.dexsil.com



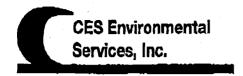
Revision 4 3/04

BRANDT (NATIONAL OILWAYS

CES ENVIROMENTAL

7137488664

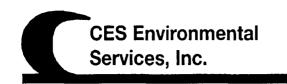
F.004



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

Charteman	Dan = 16 (A) = 43	J. O'll Maill Manach	
Customer:		I Oil Well Varco)	
Waste Generator:	Brandt (Nationa	l Oil Well Varco)	
Waste Stream Name:	Paint Powder		
Expiration Date:	3/27/2008		
waste profiles on an annu the generation process of hazardous as per 40 CFR	al basis. The purpose o the aforementioned was 261.3.	atal Services, Inc. requires recertification of all of this form is to confirm that no changes have steet and that the waste stream remains continuous the aforementioned waste stream and the pro-	been made in lassified as non-
		I the aforementioned CES Waste Approval Nu	
☐ No changes, please rec	ertify.	Analysis is NOT required for recertificat	ion.
Please send new profile has changed.	e as waste stream	The following analysis is required for re- Please sumbit results of the following tea	
	EAUER	☐ TCLP Metals	4 발표 시험 - 1 전 - 1
Eustomer Name		<ul> <li>☐ TCLP Volatiles</li> <li>☐ TCLP Semi-volatiles</li> </ul>	
		☐ Reactivity	
Signature	Sa== 0.	☐ Corrosivity ☐ Ignitability	en en en en en en en en en en en en en e
NOV BRANOT Company/Title	<u>DAFEI</u> G COO	OKD.	
	$U_{\mathcal{A}^{(1)}}$		Street
2/24/08 Date			
* .		<u> </u>	· · · · · · · · · · · · · · · · · · ·
			A The Table 1 of the
	1	n de la compania del compania del compania de la compania del la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania del la compania de la compania del la compania de	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

### Waste Pre-Acceptance/Approval Letter

Date 3/27/2006

Dear John Rene'

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1445

Generator: Brandt (National Oil Well Varco)

Address: 2800 N. Frazier

Conroe, TX 77305-2327

### **Waste Information**

Name of Waste: Paint Powder TCEO Waste Code #: 14774032

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Off-spec no longer usedable product

Color: Varies (mostly red) Odor: None pH: 3-11

**Physical State:** 

Incompatibilities: Oxidizers

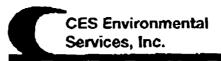
Safety Related Data/Special Handling:

Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information					
Company:	Brandt NOV					
Address:	2800 N. Frazier					
City, State, Zip:	Conroc, TX 773	05-2327				
Contact:	John Rene'	<del></del>		Title:	HSE Su	pervisor
Phone No:	936-523-2624			Fax No:	936-523	
24/hr Phone:	CES-713-676-14	60		•		
U.S. EPA I.D. No:	TXD052040409			•		
State LD.	36294			SIC Code:		
SECTION 2: Billin	g Information – 🗌	Same as Above				
Company:	Brandt NOV					
Address:	P.O. Box					
City, State, Zip:	Conroc, TX 77305	-2327				
Contact:	Linda Kellogg		Title:	Accounts Pay		
Phone No:	936-756-4800		Fax No:	936-523-2790	5	
SECTION 3: General Name of Waste: Pai	nt Powder		Spec no long	ger usable prod	<u>uct</u>	
-		_			· · ·	
Physical State:	Liquid	Studge	L	Powder		
	🖾 Solid	Filter Cal	∢e □	] Combinatio	ก	
Color: various mostl	y r <u>c</u> d	Odor: nonc				
Specific Gravity (wa	iter=1); <u>1.4</u>	Density: 10 ll	bs/gal			
Layers:	Single-phase	☐ Mul	ti-phase			
Container Type:	⊠ Drum	☐ Tote	П	Truck	П	Other (explain)
Container Size:	<u>55</u>		ري	riuch		Other (exprain)
Container Conc.	22	<del></del>				
Frequency: Number of Units (co Texas State Waste C		Monthly Other: _		Quarterly		Yearly
Proper U.S. DOT Sh	ipping Name:	Non-RCR	N: Non-DO	Regulated Ma	ncrial	· <del></del>
Class: NA	UN/N	A: NA		PG: NA	<del></del> _	RQ: NA
					<del></del>	
Flash Point	pH	Reactive Sulfid	CN	Reactive C	yanides	Solids
≥200	neutral	Om 2/1		Omg/l	-	100%

Oil&Grease <1500mg/l	TOC <1500mg/I	Zinc Omg/t	Copper Omg/I	Nickel Omg/l	
	sical and Chemical			,	
The		NTS TABLE he following material		Concentration Ranges are acceptable	Units or %
Paint Powder (Un	used Product)			100	%
					<b> </b>
SECTION 5: Safe	ty Related Data	·			
If the handling of t Level D	his waste requires	the use of special prot	ective equipment.	please explain.	
SECTION 6: Atta	ched Supporting D	ocuments			
List all documents, Analysis, MSDS	, notes, data, and/o	r analysis attached to	this form as part	of the waste approval packa	gc.
SECTION 7: Inco	m <u>patibilities</u>				
Please list all incom Oxidizers	ipatibilities (if any)	) <b>:</b>			
SECTION 8: Gene	rator's Knowledge	Documentation			
Laboratory analysi generator knowled		waste characteristics,	listed below. WA	S NOT PERFORMED base	ed upon the followin
TCLP Metals:	<u>X</u>				
TCLP Volatiles:	<u>X</u>				
TCLP Semi-Volatil Reactivity:	iest X				
Corrosivity:	X				
Ignitability:	X				
SECTION 9: Gene	rator's Certification	<u>n</u>			
attached description omissions of compo	is complete and a sition properties ex	ocurate to the best of	my knowledge an or suspected hazar	analytical data. I hereby ce d ability to determine that i ds have been disclosed. I of	no deliberate or will
Authorized Signatu	re:	7- R-		Date: 3-27.0	4
Printed Name/Title	daha	Rene	HSE		
CES USE ONLY (DO N	OT WILL IN THIS S	PACTI)			
Compliance Officer:	45		Additional In	nformation:	
Date: 3/27/06	A	pproved Rejected	I5	-	
Approval Number: _					
-· -			÷ ————		

<u>ŞE</u>	CTION 10: Waste Receipt Classification Under 40 CPR 437
ls i	this material a wastewater or wastewater studge?   YES NO
<b>If</b> '	'Yes', complete this section.
PIL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	Is Subcategory: Subpart A
00000000000	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cvanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils 9	Subcutegory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Organ	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.								
	Chron	um: 0.2 mg/L nium: 8,9 mg/L r: 4.9 mg/L								
		Nickel: 37.5 mg/L								
(3)		If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.								
		Metals Subcategory								
		Oils Subcategory								
		Organics Subcatagory								

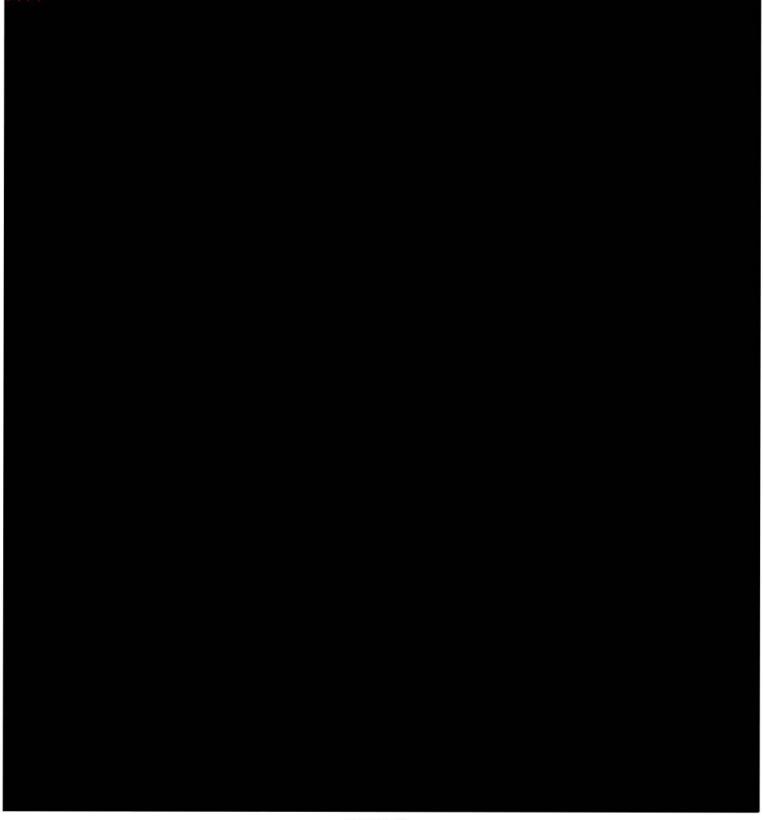
#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

# Tuboscope.

A Varco Company

### MATERIAL SAFETY DATA SHEET



Page 1 of 3

5PAHO112000606

FEB-16-2006 09:51 FROM: TUBOSCOPE VARCO 7137998170

TO:9193652327942703 P.3

Received Time Feb. 17. 10:00AM Print Time Feb. 17. 10:04AM

TO: 9193652327942703 P.4 UNIVAR, USA - CHEM CARE DEPT.

(FAX) /13 041 0423

PAGE 02

JUL-20-2004(TUE) 10:58 .07/15/2004 14:30

-2814764486

MES

PAGE 33

### Mercury Environmental Services, Inc.

6913 HRIY 225, Dear Park, TX 77836 Phones (281)-476-4534 Fax: (281)-476-4406

Univar USA Inc

P O Box 4579

Houston, TX 77061-5044

Phone: (713) 644-1801 Fax: (713) 641-5423

Altn:

Julie Ruffino

- CERTIFICATE OF RESULTS .

MES Lab#:

4070151

Client Sample I□:

Coating Powder

Sample Type:

Grab Tuboscope Conros

Sample Collect Date: 7/8/2004 @ 9:00:00 AM

Sample Receipt Date: 7/8/2004 @ 5:00:00 PM

Extended ID:

PO# Chemicare / 2800 N. Frazier: Conroe TX 77305

Test Group / Method					
TCLP Metals (11) Method: SW-846 60109	MOL	RL_	Result	Units	Analyst: AM Date / Time
Antimony	0,032	1	<0.032	mg/L	7/14/2004 8:49 PM
Arsenic	0.05	5	<0.05	mg∕L	7/14/2004 8:49 PM
Barlum	0.002	100	1.54	mg/L	7/14/2004 8:49 PM
Baryillum	0.005	80.0	<0,005	mg/L	7/14/2004 8:49 PM
Cadmlum	0.004	1	<0.004	mg/L	7/14/2004 8:49 PM
Chramium	0.007	6	<0.007	mg/L	7/14/2004 8:49 FM
Lead	0.010	5	<0.010	mg/L	7/14/2004 8:49 PM
Nickel	0.016	70	0.073	mg/L	7/14/2004 8:49 PM
Selenjum	0.05	1	€0,0>	mg/L	7/14/2004 8:49 PM
Silver	9.008	5	<b>&lt;0.00</b> 8	mē/L	7/14/2004 8:49 FM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Unita	Analysi: AM Date / Time
Mercury	0.005	0.2	<0.005	mg/L	7/14/2004 4:36 PM
Total Petrolaum Hydrocarbons Solid Method: TNRCC 1005	MDL		Result	Units_	Analysk; TFR Date / Time
C6 - C12 Hydrocarbons	50		<\$0	mg/kg	7/9/2004 / 11:00 AM
>C12 - C28 Hydrocarbons	SD		169	mg/kg	7/9/2004 / 11:00 AM
>C28 - C3B Hydrocarbons	50		<50	mg/kg	7/9/2004 / 11:00 AM
Total TPH	269		<269	mg/kg	7/B/2004 / 11:00 AM

Report Date: 15-Jul-04

Page 1 of 2

JUL-20-2004(TUE) 10:58

UNIVAH, USA - CHEM CAME DETI.

PAGE 03

-07/15/2004 14:38

-2814764486

MES

PAGE 94

#### - CERTIFICATE OF RESULTS -

MES Lab#:

4070151

Client Sample ID:

Coating Powder

Sample Type:

Grab Tuboscopa Conton

Sample Collect Date: 7/8/2004 @ 9:00:00 AM

Sample Receipt Date: 7/8/2004 @ 6:00:00 PM

Extended ID:

PO# Chomoare / 2800 N. Frezier, Conroe TX 77305

Mags: H: Exceeds "High Limit" L: Below "Low Limit" RLarequiatery limit

Holland D Glimore, Laboratory Director

Thursdey, July 15, 2004

Date

Report Date: 15-Jul-04

Page 2 of 2

JUL-20-2004(TUE) 10:59

UNIVAR, USA - CHEM CARE DEPT.

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PAGE 04

-07/15/2004 14:30

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MES

PAGE 05

4070150 - 4070151

## MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC
Anthony	40.000				< 0.032	99.7
Antimony	< 0.032					
Arsenic	< 0.005	91,6	93.B	2.29	< 0.005	102.0
8arium	< 0.002	97.5	97.5	0.00	< 0.002	101.0
Beryllium	< 0.005	88.8	89.8	1,12	< 0.006	101.0
Cadmlum	< 0.004	87.5	88.3	0,85	< 0.004	91.2
Chromium	< 0.007	100.8	101.3	0.50	< 0.007	99.5
Lead	< 0.010	94.9	101.5	8.75	< 0.010	107,0
Mercury	< 0,0002	108.0	99.5	6.33	< 0.0002	109,0
Nickel	< 0.015	93.0	93.5	0.54	< 0.016	88,3
Selenium	< 0.005	87.3	89.D	1,99	< 0.005	100.0
Silver	< 0.008	94.0	96,0	2,11	< 0.008	98.5

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC	 	
C6-C12 C12-C28		< 50 < 50	91.7 92.2	94.7 91,1	91.3 92.7		

Key to QA Approviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Leboratory Control Standard
CCB=Continuing Calibration Blank

MSD=Matrix Spike Duplicate
MB=Mothed Blank
CCY=Continuing Calibration Verification
%Rcc=Percent Recovery

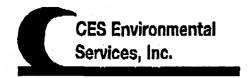
Signature

Holland D. Gilmore / Laboratory Director

July 15, 2004

– Mercury Environmental Services, Inc. 🗢

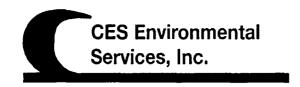
P.003



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

	CES Waste Approval #:	<u>1446</u>					
	Customer:	Brandt (National C	Oil Well Var	<u>co)</u>			
	Waste Generator:	Brandt (National C	Dil Well Var	<u>co)</u>			
	Waste Stream Name:	<u> Used Oil</u>					
	Expiration Date:	<u>3/27/2008</u>					
	As per our waste analysis p waste profiles on an annual the generation process of the hazardous as per 40 CFR 20 Generator hereby certifies the this waste stream remain the Appropriate Box)	basis. The purpose of the aforementioned waste 61.3.	his form is to o stream and tha se aforemention	onfirm that no chat the waste stream	anges have been n remains classifi and the process g	made in ied as non-	
	□ No changes, please rece	ntify.	<b>∮</b> Analysis is '	NOT required for	recertification.		
	☐ Please send new profile has changed.	as waste stream		ng analysis is required the fo		ication.	
		)ER	□ TCI □ TCI	LP Metals LP Volatiles LP Semi-volatiles activity			
	Signature  NOV BRANDT C	BAFETY COURA	□ Cor	Tosivity itability			
	Date				- L		
			·		en en en en en en en en en en en en en e		
2014. U 1. 2 f	W.S.		an Ea				
			**************************************				



## Waste Pre-Acceptance/Approval Letter

Date 3/27/2006

Dear John Rene'

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1446

Generator: Brandt (National Oil Well Varco)

Address: 2800 N. Frazier

Conroe, TX 77305-2327

### Waste Information

Name of Waste: Used Oil
TCEO Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Collection of oil from equipment fluid changes

Color: Brown

Odor: Oil Like

**pH:** 3-11

**Physical State:** 

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Rond Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information			•			
Company:	Brandt NOV						
Address:	2800 N. Frazier	·····				——····································	
City, State, Zip:	Conroc, TX 7730	5-2327					
Contact:	John Rene'			Title:	HSE Su	pervisor	
Phone No:	936-523-2624			Fax No:	936-523		
24/hr Phone:	CES-713-676-146	0		-			
U.S. EPA I.D. No:	TXD052040409			=			
State LD.	36294			SIC Code:			
SECTION 2: Billin	g Information - 🗍 🤉	Same as Above					
Company:	Brandt NOV						
Address:	P.O. Box						
City, State, Zip:	Conroc, TX 77305-2	2327					
Contact:	Linda Kellogg		Title:	Accounts Pay	able _		
Phone No:	936-756-4800		Fax No:	936-523-2790	5		
Name of Waste: Us Detailed Description Physical State:	cd Oil a of Process Generat  Liquid Solid	ing Waste: <u>Col</u> Sludge  Filter C		from equipmer  Powder  Combinatio		<u>nges</u>	
Color: Brown	(	Odor: <u>oil likc</u>					
Specific Gravity (wa	nter=1): <u>.90</u>	Density: <u>8</u> II	bs/gal				
Layers:	Single-phase	🛭 Mu	lti-phase				
Container Type:	☑ Drum	☐ Tote		Truck		Other (explain)	
Container Size:	<u>55</u>	<del></del>		<del></del>			
Frequency:	☐ Weckly	☐ Monthi	y 🛛	Quarterly		Yearly	
Number of Units (co	· —	Other:		_			
Texas State Waste C	Code No: NA	(-Recyclable M	nterial				
Proper U.S. DOT St	nipping Name:	Non-RCF	RA; Non-DO	T Regulated Ma	nterial		
Class: NA	UN/N	A: NA		PG: NA		RQ: NA	

Flash Point >200	pH	Reactive Sulfides	ė .	c Cyanides	Solids <2%	
<u>&gt;200</u>	00 neutral Omg/I Omg/I					
Oil&Greasc						
>1500mg/l	>1500mg/l	0mg/l	Omg/I	<u>Om</u> g	ــــــــــــــــــــــــــــــــــــــ	
SECTION 4:_F#						T-U
		ENTS TABLE the following materials		Conceptra  Ranges are acc		Units or %
Oil		THE COMMENT MARKET AND ADDRESS OF THE COMMENT AN		5-100		1%
Water				L-15		%
		······································				
SECTION 5: Saf	ety Related Data					
If the handling of Level D	this waste requires	s the use of special protecti	ve equipment, p	lease explain.		
SECTION 6: Att	ached Supporting I	<u>Documents</u>				
List all documents Chlor-D-Teet Resu		or analysis attached to this	form as part of	the waste appro	oval packas	ge.
SECTION 7: Inc	ompatibilities					
Please list all inco oxidizers	mpatibilities (if any	y):				
SECTION 8: Ger	erator's Knowleds	ee Documentation				
Laboratory analy generator knowle		s waste characteristics, list	ted below, WAS	NOT PERFOR	MED base	d upon the followin
TCLP Metals:	×					
TCLP Volatiles:	X X iles: <u>X</u>					
TCLP Semi-Volat	iles: <u>X</u> X					
Reactivity: Corrosivity:	7.7					
Ignitability:	$\frac{\underline{x}}{\underline{x}}$					
SECTION 9: Ger	erator's Certificat	ion				
		nsed on 🛛 generator knowld accurate to the best of my				
omissions of comp	osition properties e	xist and that all known or s	suspected hazard			
tested are represent	ative of all materials	s described by this document				
Authorized Signal	urc:	7. K		Date: <u>3</u>	27	06
Printed Name/Tit	0: 1 JUX	n Kene	2			
CES USE ONLY (DO	NOT WRITE IN THIS	SPACE)				
CES USE ONLY (DO  Compliance Office	//_	SPACE)	Additional Info	ormation:		
•		APACIE) Approved Rejected	Additional Info	ormation:		

.

<u> SF</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
Īs	this material a wastewater or wastewater sludge?   YES   NO
IC	"Yes", complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	ils Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils.	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	II the	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
		um; 0.2 mg/L
	Chrom	iun: 8.9 mg/L
	Coppe	r: 4.9 mg/L
	Nickel	: 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

#### SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

#### INSTRUCTIONS FOR

## CLOR-D-TECT®1000

### Used Oil Screening Kit

#### Test kit for chlorine contamination in used oil

#### **EACH KIT CONTAINS:**

- Tube #1 A plastic test tube with a white dispensing cap containing a colorless ampule (bottom) and a yellow-dotted, gray ampule (top).
- Tube #2 A plastic test tube with yellow cap containing 7 ml of buffer solution, a yellow-dotted ampule (bottom) and a red-green ampule (top).
- 3. A 1 ml polypropylene sampling syringe and a tissue wipe.
- 4. A plastic filtration funnel.

STED 2

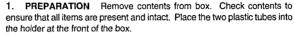
STEP 3

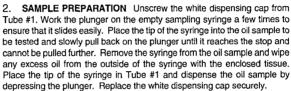
STEP 5

 A glass ampule contained in a cardboard sleeve and plastic tube designated as "Disposal Ampule".

READ CAUTION AND INFORMATION SECTIONS ON BACK BEFORE PERFORMING TEST. WEAR RUBBER GLOVES AND SAFETY GLASSES.

#### **DIRECTIONS**





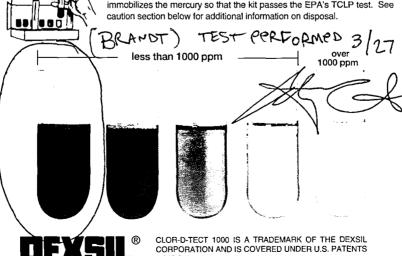
3. REACTION Break the bottom (colorless) ampule in the tube by compressing the sides of the tube. Mix thoroughly by shaking the tube vigorously for about 30 seconds. Break the top (gray) ampule in the tube and shake thoroughly for about 20 seconds. Allow the reaction to proceed for an additional 40 seconds (total of one minute), while shaking intermittently several times.

4. **EXTRACTION** Remove the caps from both tubes and pour the clear buffer solution from Tube #2 (yellow cap) into Tube #1. Replace the white cap tightly on Tube #1 and shake vigorously for about 10 seconds. Vent the tube carefully by partially unscrewing the dispensing cap. Close securely and shake well for an additional 10 seconds. Vent again, tighten cap and stand tube upside down on its cap. Allow the phases to separate for a full two minutes.

5. **ANALYSIS** Put the plastic filtration funnel into Tube #2. Position Tube #1 over funnel and open nozzle on the dispensing cap. Be sure to point the nozzle away from the operator while opening it, and check that the nozzle is open completely before dispersing the clear solution. Dispense 5 mls of the clear solution through the filter into Tube #2 (up to the 5 ml line) by squeezing the sides of Tube #1. Close the nozzle on the dispensing cap on Tube #1 and remove the filter funnel from Tube #2. Replace the yellow cap on Tube #2 and break the bottom (colorless, yellow-dot) ampule and shake for 10 seconds.

6. **RESULTS** Observe the resultant color immediately and compare to the color chart below for chlorine determination.

7. **DISPOSAL** Open the "Disposal Ampule" container and drop the ampule into Tube #2. Replace the cap on the test tube. Crush the ampule by squeezing the sides of the tube. Shake for 5 seconds. This reagent immobilizes the mercury so that the kit passes the EPA's TCLP test. See caution section below for additional information on disposal.



5.013.667

# SUGGESTIONS FOR USING THE CLOR-D-TECT® 1000 TEST KIT

- To test at 500 ppm chlorine instead of 1000, double the oil sample size by filling the sampling syringe twice.
- The kit is designed for testing used oils, and is not intended for use on water/oil mixtures that contain more than 20% water. For samples that contain more than 20% water, contact Dexsil about our Hydroclor-Q® kit designed for testing samples for chlorinated organic compounds in water.
- The kit works well on all types of waste and used oils including crankcase, hydraulic, diesel, lubricating, fuel oils and kerosene. It is designed for use only on oils which are hydrocarbon-based. Some oil, such as cutting oils which contain more than 3 or 4% sulfur, may give false positive results, false negatives are, however, unlikely. For any questions regarding the applicability of the kit on your sample, contact Dexsil's technical service department.
- The kit should be examined upon opening to see that all of the components are present and that all the ampules (5) are in place and not leaking. The liquid in Tube #2 (yellow cap) should be approximately 1/2 inch (1 cm) above the 5 ml line and the tube should not be leaking. The ampules are not intended to be completely full.
- Perform the test in a warm, dry area with adequate light. In cold weather, a truck cab is sufficient. If a warm area is not available, Step 3 should be performed while warming Tube #1 in palm of hand.
- Always crush the clear ampule in each tube first. If this sequence has not been followed, stop the test immediately and start over using another complete kit. When an incorrect testing sequence is followed, a false negative may result which may allow a contaminated sample to pass without detection.
- In Step 4, tip Tube #2 to an angle of only 45° to prevent the ampule holder from sliding out.

### CAUTION

- When crushing the glass ampules, press firmly in the center of the glass ampule ONCE. Never attempt to recrush broken glass as it may come through the plastic and cut fingers.
- In case of accidental breakage onto skin or clothing, wash immediately with large amounts of water. All the ampules are poisonous and should not be taken internally.
- Do not carry kits on passenger aircraft.
- The gray ampule in the white-capped test tube contains metallic sodium.
   Metallic sodium is a flammable solid and is water reactive.
- · Wear rubber gloves and safety glasses while performing test.
- Dispose of used kits properly. The mercury in Tube #2 is made insoluble by the disposable ampule and used kits will pass the USEPA TCLP test for land disposal. More stringent state and local regulations may apply. Contact Dexsil if you have any specific questions concerning disposal procedure.
- Read the Material Safety Data Sheet before performing the test.
- · Keep Out of Reach of Children.

#### MANUFACTURER'S WARRANTY

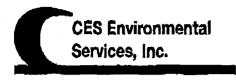
This kit is warranted to be free of defects in material and workmanship until the expiration date stamped on the box. Manufacturer's sole and exclusive liability under this warranty shall be limited to replacement of any kit that is proved to be defective. Manufacturer shall not be liable for any incidental or consequential damages.

Reliable test results are highly dependent upon the care with which the directions are followed and, consequently, cannot be guaranteed.

This kit was manufactured by **DEXSIL**® Corporation One Hamden Park Drive, Hamden, Connecticut 06517 (203) 288-3509 FAX: (203) 248-6523 http:\\www.dexsil.com

Printed on recycled paper.

Revision 4, 3/04



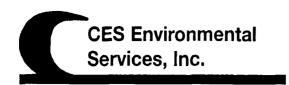
CES Waste Approval #: 1452

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

Customer: Brandt (Natio		l Qi	<u>                                     </u>	Well Varco)					
Waste Generator: Brandt (National			nal Oil Well Varco)						
Waste Stream Name:	TPH Contamina	<u>ted</u>	A	bsorbent					
Expiration Date:	3/28/2008								
waste profiles on an annual the generation process of th hazardous as per 40 CFR 20 Generator hereby certifies t	basis. The purpose of the aforementioned was 61.3.	f thi ste si	is i	rvices, Inc. requires recertification form is to confirm that no changes am and that the waste stream remeters forementioned waste stream and the forementioned CES Waste Approv	have been made in ins classified as non en classified as non en crocess generating				
Appropriate Box)			,						
☐ No changes, please rece	rtify.	Analysis is NOT required for recertification.							
☐ Please send new profile has changed.	as waste stream		Ī	The following analysis is required Please sumbit results of the followi	for recertification. ng tests.				
Customer Name Signature	DER			<ul> <li>□ TCLP Metals</li> <li>□ TCLP Volatiles</li> <li>□ TCLP Semi-volatiles</li> <li>□ Reactivity</li> <li>□ Corrosivity</li> <li>□ Ignitability</li> </ul>	,				
NOV BEANDT SA	FETY COORD	١,		in ignition.					
Company/ Title				Estato de la companya de la companya de la companya de la companya de la companya de la companya de la companya					
2/26/08					<i>√</i> / <i>√</i>				
Date									
Formula Laboration Communication	120,000 000 0000 0000 0000		-	en en en en en en en en en en en en en e	·				
	* 1. *				- S				





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

### Waste Pre-Acceptance/Approval Letter

Date 3/28/2006

Dear John Rene'

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1452

Generator: Brandt (National Oil Well Varco)

Address: 2800 N. Frazier

Conroe, TX 77305-2327

### Waste Information

Name of Waste: TPH Contaminated Absorbent

**TCEO** Waste Code #: 14804091

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Clean-up of oil spills at lube oil and motor oil dispensing stations

Color: Various

Odor: Oil Like

**pH:** 3-11

**Physical State:** 

Incompatibilities: None

Safety Related Data/Special Handling:

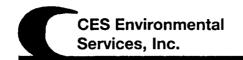
Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

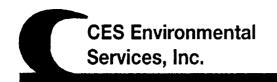
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator Information			-			
Company:	Brandt NOV						
Address:	2800 N. Frazier						
City, State, Zip:	Conroe, TX 77305	-2327		·			
Contact:	John Rene'			Title:	HSE Sup	ervisor	
Phone No:	936-523-2624			Fax No:	936-523-		
24/hr Phone:	CES-713-676-1460			1 411 1 100	700000		
U.S. EPA I.D. No:	TXD052040409						
State I.D.	36294			SIC Code:			
SECTION 2: Billing Information – Same as Above  Company: Brandt NOV							
Company: Address:	P.O. Box					<del></del>	
City, State, Zip:	Conroe, TX 77305-2	327					
Contact:	Linda Kellogg	. · ·	Title:	Accounts Paya	able	<del></del>	
Phone No:	936-756-4800	<del></del>	Fax No:	936-523-2796			
- I Holle Ivo.	730 730 4000	-	750 525 2170				
Name of Waste: TP	H Contaminated Abso	rbent					
Detailed Description	of Process Generation	ng Waste: Clea	ın-up of oil sp	ills at lube oil a	and motor o	oil dispensing stations	
Physical State:	☐ Liquid ⊠ Solid	☐ Sludge ☐ Filter Ca	ke 🗍	Powder Combination	1		
Color: various	o	dor: oil like					
Specific Gravity (wa	nter=1): <u>2.0</u>	<b>Density:</b> <u>12</u> 1	lbs/gal				
Layers:	⊠ Single-phase	☐ Mul	lti-phase				
Container Type:	☑ Drum	☐ Tote		Truck		Other (explain)	
Container Size:						<del></del>	
Frequency:	☐ Weekly	☐ Monthly	, 🖂	Quarterly		Yearly	
Number of Units (co		-	<del>-</del>	Quarterry		i curiy	
`	, <del>-</del>	Other: _	<del></del>				
Texas State Waste C	Loae No: 148	04091					
Proper U.S. DOT Sh	nipping Name:	Non-RCR	A; Non-DOT	Regulated Ma	terial		
Class: NA	UN/NA	NA NA		PG: NA		RO: NA	

Flash Point	pH	Reactive Sulfides		ctive Cyanides	Solid			Formatted	
>200	<u>neutral</u>	0mg/1	<u>Oma</u>		100%		``	Formatted	
Oll&Grease	TOC	Zinc	Соррег	Nick	el			Formatted	
>1500mg/l	>1500mg/l	<u>Qmg/1</u>	<u>0</u> mg/l	Omg	1			Formatted	
SECTION 4: Ph	vaical and Chemica						<b>5</b>	Formatted	···
<del></del>	COMPONE	NTS:TABLE		Ranges are acc		or %	-	Formatted	
Clay Absorbent	of white chimnes of	the following thater this		95100	Сримис	99	1		
Oll		<del></del>		0-5		%	-		
Misc, Trash, PPE	etc.			0-2		9%	†		
				\					
							1		
							]		
SECTION 5: Saf	cty Related Data								
If the handling of Level_D	this waste requires	the use of special protectiv	ve equipmen	t, please explain.					
SECTION 6: Att	ocked Supporting I	locuments						_	
List all documents	s, notes, data, and/o	r analysis attached to this	form as part	of the waste appro	val packa	gc.		Formatted	
SECTION 7: Inc	ompatibilitles								
Please list all Inca None	mpatibilities (if any	):			***********			Formatted	
	ierator's Knowledg	e Documentation							
		waste characteristics, liste	ed below, W	as not perfor	AED base	d upon the	following		
generator knowled	dge;						•		
TCLP Metals: TCLP Volatiles; TCLP Semi-Volat Reactivity: Corrosivity: Ignitability:	X   X   X   X   X   X   X								
SECTION 9: Gen	erator's Certificati	<u>nn</u>							
attached description omissions of comp	n is complete and a osition properties ex	ncd on \(\infty\) generator knowle occurate to the best of my is ist and that all known or su described by this document.	knowledge a spected haza	nd ability to determ	ine that n	a deliherat	c or willful		
Authorized Signat	nre: Jel	7. Kene		Dates	.28	06		Formatted	
Printed Name/Titl	e: 15h	1 F. Rene	<b>=</b>					formatted	
CES USE ONLY (DO I	NOT WRIPE IN THUS	IPACR)	<del></del>						
_ `	1.10						1		
Compliance Officer	77		Additional I	information;					
Date: 3/28/06	/	pproved Rejected	PE	Z			_		
Approval Number:					_				

<u>SU</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
ls t	this material a wastewater or wastewater sludge?   YES   NO
ir.	'Yes', complete this acction.
PI.	EASE CHECK THE APPROPRIATE BOX, IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	ils Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinae water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Inclineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Olls .	Subcategory: Subpart B
	Used oils Oil-water cmulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing point washes
<u>Organ</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 3/29/2006

Dear Jamie French

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1454

Generator: National Oilwell (Roberds Johnson)

Address: 210 Magnolia

Galena Park, TX 77547

### Waste Information

Name of Waste: Paint Filters
TCEQ Waste Code #: CESQ3191

Container Type:

**Detailed Description of Process Generating Waste:** 

Filters from paint booth capturing overspray

Color: Varies

Odor: None

Cubic Yard Sack

pH: N/A

**Physical State:** 

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE (Level D)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. 713-356-7400

NATIONAL OILWELL

PAGE 04/05

MAR-17-2006 12:35

CES Environmental Service

713 676 1676

F.U4



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Information				
Company:	National Oil Well				
Address:	210 Magnolia				_
City, State, Zip:	Galena Park, TX	77547			_
Contact:	Kelth Hoye		Title:	EH & S Manager	_
Phone No:	713-356-7200		Fax No:	713-356-7420	_
24/hr Phone:	CES-713-676-146	0			_
U.S. EPA L.D. No:	TXR000047399				
State L.D.	86932		SIC Code:		
SECTION 2: Billing					
		Attn: Accounts Payable)			_
-	P.O. Box 472	647			_
_	Galena Park, TX 77		712 256 7216	<del></del>	_
Contact: Phone No:	Iamie French	Title: Fax No:	713-356-7216		_
Flight 140:	· · · · · · · · · · · · · · · · · · ·	Lax Mo:			
SECTION 3: Genera	al Description of the	e Waste			
Name of Waste: Pain Detailed Description		ing Waste: Filters form paint	booth capturing	g overspraty	
Physical State:	Liquid	Sludge	Powder		
	Solid	Filter Cake	Combination	1	
Color: various	(	Odor: <u>none</u>			
Specific Gravity (was	ter=1): <u>.8</u>	Density: 8 lbs/gal			
Layers:	Single-phase	☐ Multi-phase			
Container Type:	Drum	☐ Tote ☐	Truck	Other (explain)	
Container Size:				Cubic Yard Sack	
Container Size.				<u> </u>	
_	F 154 14	N	Outstands	□ Marketon	
Frequency:	☐ Weekly	⊠ Monthly □	Quarterly	Yearly	
Number of Units (cot		Other:			
Texas State Waste Co	ode No: CE	ESQ3191			
Proper U.S. DOT Sh	-	Non-RCRA; Non-DO			_
Class: NA	UN/N	A: NA	PG: NA	RQ: NA	
Flash Point	рН	Reactive Sulfides	Reactive Cy		
>200	neutral	Omg/I	0mg/1	100%	

MAR-17-2006 12:35

CES Environmental Service

713	€76	1676	PAGE F.US	05/05

Oil&Grease	TOC	Zinc	Copper	Nickel	
≥1500mg/l	>1500mg/l	Qmg/l	Omg/l	Omg/I	
SECTION 4: Pb	vsical and Chemical D	Data			
	COMPONEN	TS TABLE		Concentration	Unite
	ie waste consists of th	Ranges are accep	table or %		
Fiberglass Filter				95-100	%
Inert Dried Paint				0-5	%
				••	
SECTION 5: Sal	etv Related Data				
	this waste requires the	ha waa af egasial peal	tostivu asuinmant	ologea avaloia	
Level D	ting waste reduites th	ue das or sheerar broo	tective equipment	, prease expisio.	
				•	
SECTION 6: Att	ached Supporting Do	ocuments			
	s, notes, data, and/or	analysis attached to	this form as part	of the waste approva	l package.
<u>Analysis</u>					
SECTION 7: Inc	omnatibilities				
	<del></del>				
	mpatibilities (if nny):				
Oxidizers					
SECTION 8: Ge	nerator's Knowledge	Documentation			
		waste characteristics	, listed below, W.	as not performi	D based upon the followin
generator knowle	dge:				
TCLP Metals:					
TCLP Volatiles:	X				
TCLP Semi-Vola	tiles: X X X X X				
Reactivity:	ž				
Corrosivity: Ignitability:	X Y				
-gKaomiy.	Δ				
SECTION 9: Ge	nerator's Certification	<u>n</u>			
The information c	ontained herein is base	ed on 🛛 generator kr	nowledge and/or 🛭	analytical data. I he	rchy certify that the above a
					e that no deliberate or will
				ards have been disclus	ed. I certify that the materi
	tative of all materials d				
Authorized Cinna	ilent			Basa: 3/2	2/06
Authorized Signa	ture:	1 0 1		Date:	706
	le:(CRIT	- h. P. 14040			
Printed Name/Tit					
Printed Name/Tit					
Authorized Signa Printed Name/Tit	NOT WHITE IN THE P	PACK)			
CES USE ONLY (DO	NOT WRITE IN TIME S	PACE)			
		PACE)	Additional	Information:	
CES USE ONLY (DO	es: 4		~	Information:	
CES USE ONLY (DO	es: 4	pproved Rejected	~	Information:	

## Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd Houston, TX 77021 Phone (713) 676-1460 Fax: (281) 676-1676

Attn:

**Gary Brauckman** 

- CERTIFICATE OF RESULTS -

MES Lab#:

5080053

Client Sample ID:

**Paint Filters** 

**Extended ID:** 

National Oil Well - GP

Sample Collect Date: 8/3/2005 @ 12:30:00 PM

Sample Type:

Grab

Sample Receipt Date: 8/3/2005 @ 1:40:00 PM

Test Group / Method							
TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: DCW Date / Time		
Antimony	0.032	1	< 0.032	mg/L	8/8/2005 /	8:44 PM	
Arsenic	0.014	5	< 0.014	mg/L	8/8/2005 /	8:44 PM	
Barium	0.0005	100	1.59	mg/L	8/8/2005 /	8:44 PM	
Beryllium	0.0005	0.08	< 0.0005	mg/L	8/8/2005 /	8:44 PM	
Cadmium	0.002	1	0.016	mg/L	8/8/2005 /	8:44 PM	
Chromium	0.002	5	0.005	mg/L	8/8/2005 /	8:44 PM	
Lead	0.005	5	0.029	mg/L	8/8/2005 /	8:44 PM	
Nickel	0.003	70	0.021	mg/L	8/8/2005 /	8:44 PM	
Selenium	0.024	1	< 0.024	mg/L	8/8/2005 /	8:44 PM	
Silver	0.002	5	< 0.002	mg/L	8/8/2005 /	8:44 PM	
Vanadium	0.002		< 0.002	mg/L	8/8/2005 /	8:44 PM	
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: DC Date / Time		
Mercury	0.0002	0.2	0.0004	mg/L	8/8/2005 /	9:27 PM	
BTEX Method: SW-846 8021B	MDL		Result	Units	Analyst: TF Date / Time		
Benzene	0.005		0.010	mg/kg	8/8/2005 /	11:41 PM	
Toluene	0.005		0.119	mg/kg	8/8/2005 /	11:41 PM	
Ethyl benzene	0.005		0.054	mg/kg	8/8/2005 /	11:41 PM	
M+P-Xylene	0.005		0.235	mg/kg	8/8/2005 /	11:41 PM	
o-Xylene	0.005		0.178	mg/kg	8/8/2005 /	11:41 PM	
2-Butanone	0.005		0.527	mg/L	8/8/2005 /	11:41 PM	

Report Date: 09-Aug-05

Page 1 of 2

### - CERTIFICATE OF RESULTS -

MES Lab#:

5080053

Client Sample ID:

Paint Filters

**Extended ID:** 

National Oil Well - GP

Sample Collect Date: 8/3/2005 @ 12:30:00 PM

Sample Receipt Date: 8/3/2005 @ 1:40:00 PM

Sample Type:

Grab

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Tuesday, August 09, 2005

Date

Report Date: 09-Aug-05

Page 2 of 2

5080053

# MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC
Antimony	< 0.005	100.6	105.1	4.37	< 0.005	104.7
Arsenic	< 0.002	101.0	99.2	1.80	< 0.002	99.0
Barium	< 0.0002	108.0	103.9	3.87	< 0.0002	98.3
Beryllium	< 0.0002	101.9	101.6	0.34	< 0.0002	102.5
Cadmium	< 0.001	104.3	106.5	2.14	< 0.001	99.4
Chromium	< 0.001	108.0	106.0	1.82	< 0.001	101.7
Lead	< 0.002	104.7	104.0	0.70	< 0.002	97.0
Mercury	< 0.0002	89.0	89.5	0.56	< 0.0002	98. <del>9</del>
Nickel	< 0.001	98.5	103.5	4.95	< 0.001	103.0
Selenium	< 0.024	82.3	77.4	6.11	< 0.024	100.9
Silver	< 0.001	109.4	105.4	3.72	< 0.001	102.2

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	STD %REC	
Benzene Toluene Ethylbenzene m+p Xylene o-Xylene		< 0.005 < 0.005 < 0.005 < 0.005 < 0.005	90.8 100.0 99.8 102.0 97.3	91.0 101.0 104.0 112.0 108.0	0.22 1.00 4.12 9.35 10.42	89.6 98.9 99.7 110.3 103.2	

SURROGATE SPIKE RECOVERY FOR BTEX	% REC
Dibromofluoromethane	106.1
Toluene-d8 4-Bromofluorobenzene	87.2 104.2

### Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank

LCS=Laboratory Control Standard CCV=Continuing Calibration Verification CCB=Continuing Calibration Blank

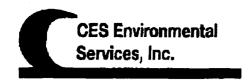
Rec=Percent Recovery

Signature / Laboratory Director

August 9, 2005

- Mercury Environmental Services, Inc. -

COMPANY NAME: (BILL TO:) (281) 476-4	
COMPANY ADDRESS: 4904 Grigs Mercury Environmental Services Fax (281)-476	4406
CITY 1900 STATE 7 7IP // CZ	
CACHTY PARAMETERS FOR ANALYSIS REMARKS	
CONTACT PERSON'S PHONE: 113-417-5737 FAX #: 113-676-1676	IME
CONTACT PERSON'S PHONE: 15 1 1 5 1 5 1 5 7 5 7 5 7 5 7 5 7 5 7	]
CONTACT PERSON'S NAME:  CONTACT PERSON'S PHONE:  YOUR PROJECT NO.:  YOUR PROJECT NO.:  YOUR PROJECT NO.:  YOUR PROJECT ADDRESS:  PROJECT ADDRESS:  YOUR SAMPLE DESCRIPTION  GRAB/OMP, DATE TIME MATRIX  TURNAROUND  TURNAROUND  STORY  TURNAROUND  TURNAROUND  TURNAROUND  STORY  FAX #: 7/3-676-1676  TURNAROUND  TURNAROUND  TORY  FAX #: 7/3-676-1676  TURNAROUND  TURNAROUND  STORY  FAX #: 7/3-676-1676  TURNAROUND  TURNAROUND  TORY  FAX #: 7/3-676-1676  TORY  FAX #: 7/3-676-1676  TORY  FAX #: 7/3-676-1676  TORY  FAX #: 7/3-676-1676  FAX #: 7/3-676-1676  TORY  FAX #: 7/3-676-1676  FAX #: 7/3-676-1676  FAX #: 7/3-676-1676  TURNAROUND  TORY  FAX #: 7/3-676-1676  FAX #: 7/3-67	
PROJECT ADDRESS:  Yes No	MINEU
Please circle one,	
or include sepa	ate
Paint Filtes 8305 1230 5 sheet detailin requirements	
A Call Garg	uf
Price.	
<u> </u>	
3	
1.03/20	
PERSON TAKING SAMPLE SIGNATURE (a Print Name & b Sign.):  RELINQUISHED BY: (Signature)  RECEIVED BY: (Signature)	
. Oarg Drauchman	
RELINQUISHED BY: (Signature)  DATE STATE  RECEIVED BY: (Signature)  RELINQUISHED BY: (Signature)  DATE  RECEIVED BY: (Signature)	
METHOD OF PAYMENT SHIPPED BY: COURIER RECEIVED FOR MES BY: DATE TIME	
METHOD OF PAYMENT  SHIPPED BY: (Signature)  COURIER (Signature)  RECEIVED FOR MES BY: (Signature)  TIME  (Signature)	10
Sample Remainder Disposal  Sample Remainder Disposal  Sample Remainder Disposal	1U
8	
Return Sample Remainder To Client Via	



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

Customer:	NOV (Magnolia)
Waste Generator:	NOV (Magnolia)
Waste Stream Name:	Paint Filters
Expiration Date:	3/29/2008

CES Waste Approval #: 1454

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

Appropriate Box)	
No changes, please recertify.	☐ Analysis is NOT required for recertification.
☐ Please send new profile as waste stream has changed.	The following analysis is required for recertification. Please sumbit results of the following tests.
National Ostroll Vanco	TCLP Metals
Customer Name	☐ TCLP Volatiles ☐ TCLP Semi-volatiles  Reactivity
Signature  HSE Mr.	Corrosivity  Elgnitability
Company / Title	
6/4/08	/
Date	1



#### ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St. La Porte, TX 77571 281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO:

63162.01

1of 3

Customer: CES Env.

Sample ID: 0408-75

Environ ID: 63162.01

Project ID: NOV Magnolia Dr./Sunbelt Labs Paint Filters

Sampled: 04-22-08 15:00

Project Loc: Galena Pk., Stafford

Matrix: Solid

Received: 04-22-08

Charge/P.O.:

Type:

Reported: 05-08-08

ANALYTE/	R	ESULT	UNITS	REG.	MQL	TEST	TEST	DATE	TIME
PARAMETER				LIMIT	<u> </u>	METHOD	BY		L
FLASH								i	
Ignitability	>	160	°F	> 140		EPA SW846.1010	LC	04-24-08	11:15
METALS - TCEQ-TCLP					ĺ	EPA SW846.1311	MN	04-22-08	ł
Antimony	<	0.1	mg/l	1.0	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Arsenic	<b> </b> <	0.1	mg/l	1.8	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Barium	<	2.0	mg/l	100	2.0	EPA SW846.6010B	JA	04-25-08	16:16
Beryllium	<	0.05	mg/l	0.08	0.05	EPA SW846.6010B	JA	04-25-08	16:16
Cadmium	<	0.1	mg/l	0.5	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Chromium	<	0.1	mg/l	5.0	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Lead	<	0.1	mg/l	1.5	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Nickel	<	0.1	mg/l	70	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Selenium	<	0.1	mg/l	1.0	0.1	EPA SW846.6010B	JA	04-25-08	16:16
Silver	<	0.2	mg/l	5.0	0.2	EPA SW846.6010B	JA	04-25-08	16:16
Mercury	<	0.02	mg/l	0.200	0.02	SW846.7470A	MN	04-28-08	14:00
	1				ľ				1

Key: TCLP - Toxicity Characteristic Leaching Procedu REG - Regulatory Limit (User Should Verify)

EPA - Environmental Protection Agency

MQL - Method Quanitation Limit TCEQ - Texas Commission on Environmental QLRCVD - As Received (Wet) Basis

TPH - Total petroleum Hydrocarbons

mg/l - Milligrams per Liter (PPM Volume)

mg/kg - Milligrams per Kilogram (PPM Weight)

GRO - Gasoline Range, DRO - Diesel Range, ORO - Oli Range

John Keller, Ph.D **Laboratory Director** 

John Keller

### **ENVIRON EXPRESS QUALITY CONTROL REPORT**

ANALYSIS:	METALS		METHOD:	EPA SW8	46/6010		MATRIX:	LIQUID
ANALYST:	JA	DATE:	04.25.08	UNITS:	PPM (mg/l	)	NO.SAMPLES:	16
SAMPLES:	63154.01	63154.02	63156.01	63162.01	63164.01	63165.01	63166.01	63174.01
	63174.02	63174.03	63174.04	63176.01	63177.01	63179.01	63179.02	63181.01

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS	BATCH ID:	63154.01

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METHOD	QC LIN	/IITS_
Matrix	RESULTS	ADDED	RESULTS	%	DUP.%	DIFF. %	CALIB.	BLANK	RECOV.	DIFF.
Arsenic	0.00	5	5.38	108	105	2	95	0	75 - 125	20
Barium	0.00	5	5.30	106	103	3	97	0	75 - 125	20
Cadmium	0.00	5	5.30	106	104	2	98	0	75 - 125	20
Chromium	0.00	5	5.27	105	105	1	99	0	75 - 125	20
Lead	0.00	5	5.27	105	105	0	100	0	75 - 125	20
Selenium	0.00	5	5.38	108	106	1	97	0	75 - 125	20
Silver	0.00	5	5.28	106	103	3	99	0	75 - 125	20

JOHN KELLER, Ph.D Laboratory Director

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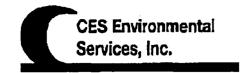
		CHAIN OF CUSTODY Results To: CES ENVIRAN								Invoice To: SAME							TAT (WORKING DAYS) CIRCLE ONE								
)	ENVIRON	•	Company:	3 (M	1112	$\sim_{N}$	12~	44	Сопр	any: 8	Same	<u>&gt;/</u>	4211							1 2 (3) 5 LAB LOT # COC Fresent?			5		
:		- 1 .1	, ,																		_		Yes	No_	
	Express Laboratorics	Pageor	Address: 49n 4 (	Sais	68 6	λ,		_ [	Address:								Shipme Yes	No Seale		Samples Yes	Sealed?				
	Page of the Address: 4904 Griegs RA  ENVIRON EXPRESS LABORATORIES, INC. 401 North 11th. St. / La Porte, Texas 77571-3115  Address: 4904 Griegs RA  City Slate: Zip:  10 US 10 N TX 770 ZI														State:			Zip:		Receive	d on le	?	Samples	Intact?	
	401 North 11th. S (281) 471-0951 /	8t. / La Porte, Texas 77571-3 (800) 880-0156		76-1460									-	Yes (No) Cooler Temp. (°C)		Yes Preserva	No Show								
- N	Fax: (281) 471-58	321 / After Hours: (281) 844-2	2308 Fax: (7/3\676				Phone: Fax:					(2)	120 P		Yes 1	1) 01	NA )_								
2	e-mail; environex	p@aol.com	e-Mall: Sampler Remarks:	20-1-	<del></del>				PO#: Quote#:							Hold Th	Me OK?		Res. Cl2 Yes		NA) SES				
t	NOV MAGNO	14 De SUNBELT LASS	Sampler Hemarks.	<sup>2</sup> Cntr. Numbe		o n	<del>                                     </del>	-	-	$\dashv$	-	-			$\dashv$	_					ck OK?	$\overline{\wedge}$	COC&L		
0 .	ICI minot I nontinos	CALENA PARLI, MOORE RO	CAL SAL TO	Volum		32	٤			$\Box$										Yes		NA )	(Yes)	No	
•	Project No:	, WHICHMAN YOU, INTOOLE IS	San Co	* Prese	rvative	18	╂╼╼┥	-	$\dashv$	<u>_</u>	OTAL		+ + + + + +				_	Flemarks			nks & AU	ditionerAn	aiyses		
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	Sampler (Sign):		1		(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)			S	S	RCRA 8 METALS		GNITABILI											
	FELLIOF ONLY	24451515	1 2425	MATRIX	l ĕ	ĕ ĕ	Έl			VOLATILES	SEMI-VOLS	A 8	1616	Δì											
	EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	- AM	ğ	BTE	[필	교	PAH	호	SEN	Ş.	P	12											
	63162.01	1) 0408-75 (PAIN	Ters) 4/22@300	50									X	X			_								
	1.02	2) 0408-83(W/W)	4/2202:00	Lig				X	,	X	$\times$	X	,											,	
		3)	7.																				***		
		4)																							
		5)																							
		6)		1		<u> </u>																•			
		7)			$I^-$	T -						-													
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PM; En<		10)		†							1			-								-			
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e <u></u>	Relinquished By:	Print Name:	Company:	Date:	, , 5		Time		_	ived B	ly:		٠.	Print	Name	):	_		Corr	pany:			ate:	Time	
8-08	Relinquished By:	Date: Time:		:	Rece	ived B	ly:			Print	Name	<del>)</del> :			Сол	pany:		D	ate:	Time	e:				
ι I		S:Soil W:Water WW:Waste W	ater SL:Sludge SO:Salid	SE:Sed	iment !	L: Lea	Ma	atrix WI:v	Key Vipe	OR:0	rgani	OL	:Oil	DS:D	rum S	olid I	DL:D	rum Li	quid	O:Othe	·				·
		<sup>2</sup> Containe	r Type Key					<u> </u>								_3 b	rese	rvat	ive l	(ev		<b>-</b>	·		
	Delivery of samples of	P:Plastic G:Glass V:VOA Glas		ica Scho	dule			<u> </u>		1:10	e(<4°(	c) 2:	HCL	3:H2S	504 4	:HNC	)3 <b>5</b> :	NaOH	6:N	OH+Zr	Acetal	:/:Na2	S203 8:N	one	

TEXAS WATER MANNOEMENT #56

EPAHO112000638

7 E 5.09 8,36 LAB

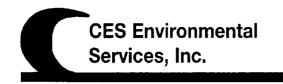
P.002



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #:	<u>1456</u>										
Customer:	Texas Water N	exas Water Management									
Waste Generator:	Texas Water N	exas Water Management									
Waste Stream Name:	Recyclable Hy	Recyclable Hydrocarbon and Water Mixture									
Expiration Date:	3/30/2008	3/30/2008									
waste profiles on an annual the generation process of the hazardous as per 40 CFR 2	basis. The purpose the aforementioned volume aforementioned volume that the components	nental Services, Inc. requires recertification of all approved to of this form is to confirm that no changes have been made in waste stream and that the waste stream remains classified as non-sin the aforementioned waste stream and the process generating used the aforementioned CES Waste Approval Number: (Check									
No changes, please rece	rtify.	Analysis is NOT required for recertification.									
Please send new profile has changed.  Customer Name  Signature	as waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.  ☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity									
OWNER		☐ Ignitability									
Company / Title  2/7/08  Date	· · · · · · · · · · · · · · · · · · ·										



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 3/30/2006

Dear Mark

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1456

Generator: Texas Water Management

Address: 71 Alden Glen Dr

The Woodlands, TX 77382

### **Waste Information**

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** Pumping of fuel tanks and oil water from daf units

Color: Tan to Gray

Odor: Slight Hydrocarbon pH: 6-8

**Physical State:** 

Incompatibilities: None

Safety Related Data/Special Handling:

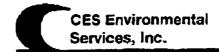
Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

P. UZ 713 676 1676



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fux: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator Information					
Company:	_ Texas_1	Nater Manageme	<u>at</u>			
Address:	71 H/de	1 Glen de				
City, State, Zip:	Wood la	nds Tx 77382				
Contact:	mark		Title:	Preside		
Phone No:	281-685-	4420	Fax No:	936-32	1-9792	
24/hr Phone:						
U.S. EPA I.D. No:	W/A					
State I.D.	N)A		SIC Code:			
SECTION 2: Billing	Information – 🔀	Same as Above				
Company:						
Address:						<del></del>
City, State, Zip:						
Contact:		Title:				<del></del>
Phone No:	<del> </del>	Fax No:	<del></del>			
-			<del></del>		<del></del>	
SECTION 3: Gener	al Description of the	<u>Waste</u>				
Raydelle	1 0 1	d water mixture	•			
Name of Waste: Hy	who Carbon and	a mater inition		, ,	1. 1	0 00
Detniled Description	of Process Generate	ing Waste: <u>fumping</u>	et fuel ton	ks and	oil mater a	from Dotum
		_				
Physical State:	Liquid	Sludge	Powder			
	☐ Solid	☐ Filter Cake	Combinatio	n		
- 1 (	1	4				
Color: Tan to 6	ired c	odor: <u>slig</u> ht Hydr	ro Carbon			
	_		- •			
Specific Gravity (wa	ter=1); <u> </u>	Density: 8 lbs/gal				
	_ /					
Layers:	Single-phase	Multi-phase				
	_		•			
Container Type:	□ Drum	🔲 Tote 🗓	Truck		Other (explain)	
Container Size:		_	3000-50		(* 4)	
	- <del></del>		2-22-30	bogzi -	<del></del>	
	<b>-</b>	<b></b>	_	_		
Frequency:	Weekly	Monthly [	☐ Quarterly.	<u> </u>	early /	
Number of Units (cor		Other:	•			
Texas State Waste C	ode No:	A - PEYLLE	<u>_</u>			
Proper U.S. DOT Shi						
Class: 2	UN/NA	oilly water	PG: Ti			
2	010/117	" <u>1993</u>	PG: 71	1	RQ:	JA
-		- · • <del> </del>	<del></del>	<del></del>	<u></u> -	
Flash Point	На	Reactive Sulfides	Reactive C	vunidec	Solids	
100 or ahour	6-8	O mg/I	(2 mg/l	-	05 %	ļ
Oil&Grense	TOC		Copper	Nicke		
)~ 30 th gh,	3560 mg/l	Zine 0-40	O mg/l	O	ms/l	ļ

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MAR-28-2006 16:29

### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Runges are acceptable	at %
Water	75 to 99	0/0
oil or gas	1 to 25	%
Dict	0 +0 5%	

<del></del>	<del></del>		
Dirt		0 +0 5%	
	· · · · · · · · · · · · · · · · · · ·		
SECTION 5: Safety R	elated Dutu		
	waste requires the use of special prot	tective equipment, please explain.	
SECTION 6: Attached	1 Supporting Documents		
List all documents, not	es, data, and/or analyxis attached to	this form as part of the waste approval pack	age.
SECTION 7: Incompa	tibilitles		
Please list all incompati	ibilities (if any):		
SECTION 8: Generate	pr's Knowledge Documentation		
Lahoratory analysis of generator knowledge:	the hazardous waste characteristics,	listed below, WAS NOT PERFORMED bas	ed upon the following
TCLP Metals: TCLP Volntiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:	X X X Y X Y		
SECTION 9: Generato	r's Certification		
anached description is c omissions of composition	omplete and accurate to the best of	owledge and/or analytical data. I hereby ce my knowledge and ability to determine that or suspected hazards have been disclosed. I conent.	dollhouses
Authorized Signature: _	M Hour	Date: 3/29/06	
Printed Name/Title:	PRESIDENT		
CES USE ONLY (DO NOT W	RITE IN THIS SPACE		
Compliance Officer:	1//	Additional Information:	ļ
Date: 3/30/06 /	Approved Rejected	2iz	
/ / / / / / / / / / / / / / / / / / /	145%		

<u>\$</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Īs	this material a wastewater or wastewater sludge?   YES  NO
If	'Yes', complete this section,
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Met	als Suhewegory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Olls</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Coutaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing maint washes
Orga	nics Subcateeary: Subpart C
	Landfill leachate  Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes  Off-specification organic product Still bottoms  Byproduct waste glycol  Wastewater from paint washes  Wastewater from adhesives and/or epoxies formulation  Wastewater from organic chemical product operations  Tank clean-out from organic, non-petroleum sources

MAR-28-2006 16:30

- (1) If the waste contains oil and grease at or in excess of 100 mg/l., the waste should be classified in the oils subcategory.
- If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess (2) of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

- If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or (3) nickel above any of the values listed above, the waste should be classified in the organics subcategory.
  - Metals Subcategory

Oils Subcategory

Organics Subcategory

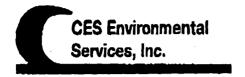
#### SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium. Chromium. Copper. Nickel, and Oil and Grease. CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Lau

This is the product with the 20 of Benzence in it.

- Shannon



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #:	<u>1521</u>								
Customer:	Kinder Morgan	1							
Waste Generator:	Kinder Morgan	1 ·							
Waste Stream Name:	Recyclable Hy	Recyclable Hydrocarbon and Water Mixture							
Expiration Date:	4/21/2007								
profiles on an annual basis. generation process of the at hazardous as per 40 CFR 20 Generator hereby certifies t	The purpose of this forementioned waste 61.3. hat the components	ental Services, Inc. requires recertification of all approved was a form is to confirm that no changes have been made in the estream and that the waste stream remains classified as non- in the aforementioned waste stream and the process generating ed the aforementioned CES Waste Approval Number: (Check							
☐ No changes, please rece	rtify.	Analysis is NOT required for recertification.							
☐ Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.							
Schny Sal Customer Namel	inas List	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability							
Company / Title /		$\sqrt{}$							



# **FAX COVER LETTER**

VERIFICATION F	PHONE NUMBER: 713-450-7412
COMMENTS:	/ pank
NO. OF PAGES:	(Including Cover)
FAX NUMBER:	713-450-7485
FROM:	Schnny
FAX NUMBER:	713-676-1676
TO:	Shannon
DATE:	8/22/08

906 CLINTON DRIVE GALENA PARK, TX 77547

ISWR Number: 30900





4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<a href="http://www.cesenvironmental.com">http://www.cesenvironmental.com</a>
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461

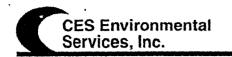
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SECTION 2:	Billing	Infor	nation -	<b></b> ✓ s	ame as	Above										
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SECTION 3:	Genera	I Des	cription	of the Wa	<u>ite</u>											
Name of Wa	aste;		Recycla	ble Hydrod	arbon 8	Water N	lixture					_				
Detailed De	scriptio	n of F	rocess (	ienerating	Waste:				a a servicina di Cara	Participal de	بعي و والداب	- v				
Rinsing of ta	nk prev	ioush	/ contain	ing aroma	tic conc	entrate pr	oduct.		<del></del>							
		_			_			_								
Physical Sta	te:	널	Liquid			Sludge			Powder							
		Ц	Solid		Ц	Filter Ca	ke		Combina	tion						
Color:	Pale Ye	MON	to clear			-	Odor:		Hydrocar	DON						
Cancilla Car	i•		١.	כל	to .89				Dansituu	1/2-	1	lh a fa	<u>.</u> 1			
Specific Gra	vity (wa	icer=1	.):	./3	10.09				Density:	Vap	or >1	. IDS/g	aı			
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					-104 677	C.10110 00.			ш	103	بت					
Is the Waste	subjec	t to ti	he benze	ene waste	operatio	n NESHA	P? (40 CFR	Part 6	51, Suboar	t FF)			Yes	Ø	No	
Answer "Yes							-		-	•	e follov	ving:				
2812	•	2813		2816	2819			2822	•		2824		2833		2834	
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3312		4953		4959	9511											
Layers:		Sing	le-phase	· •	Multi	i-phase										
Container Ty	ype:		Drum	☐ Tota	• <b></b>	Truck [	Other (	explair	n)							
Frequency:	□ w	eklu	□ мо	nthly 🗆	Yearly	✓ One.	Time									
	5000						. 1445									

Is this a USEPA "Hazardo If "Yes", then please com	•			☐ Ye ardous Constitu		No ached hereto		
If "Yes", Is it:	D001 (Ignitab Metals:	le) [   000   001		5 🗆 🗅 000	☐ DD03 (Read 6 ☐ D007	· _•	□ <b>000</b> 0	
Characteristic for Toxic C	organics: D012	thru 0043	(please list a	ili that apply)				
Is this an "F" or "K" Liste If "Yes", then please lis			ne?	☐ Ye	s v	No		
Is this a commercial proc 40 CFR 261.33(e) or (f)? If "Yes", then please lis	·		_	a "U" or "P" w	raste code un	nder		
Texas State Waste Code	Number:		RECYCLE			•		
Proper US DOT Shipping	Name:	RQ, Hydro	carbon Liqu	ds, N.O.S. ( be	nzene, toluer	ne, xylene, die	yclopenta	liene)
Class: 3	UN/NA:	UN3295	PG:	<u>II</u>	RQ:	10		
Flash Point	ام	1	React	ive Sulfides	Reactive	Cyanides	Sol	ids
>100	5-	9	0	<u>mg/l</u>	N/A	mg/i	2	%
Oil & Grease TOC			Zinc	nc Copp		Nic	kel	
>1500 <u>mg/</u>	BRL	<u>ms/</u> ]	BRL	<u>mg/l</u>	BRL	mg/l	BRL	mg/l
SECTION 4: Physical and	Chemical Data				***			

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Water	60-80	%
Aromatic Concentrate	20-40	%
Rust, Scale, ect.	1-2	%
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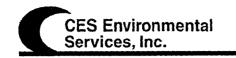
	: Safety Rela		aiat amagaasi a		
	•	raste requires the use of spe terial & proper breathing fo	, ,	• • • •	
FFETOITI	IIIIIIIIIIII	ieriai de proper dicactiing to	· denzene/ roluene	<del></del>	<del></del>
		upporting Documents	ale and a scale of fine con-		
		es, data and/or analysis atta	cned to this form as	part of the waste	
approval pa MSDS	ackage.				
1412102	<del></del> _				
	: Incompatil				
See MSDS	ALL INCOMPS	tibilities (if any):			
2EE IAI2D2			·		
CECTION O	Ganavatad	s Knowledge Documentation			
		he hazardous waste charact		WAS NOT DEDECORME	•
-		ng generator knowledge:	eristics, inten nellow	, was not rentonine	•
Basca apor	i tile lollowi	P Principion KilomicoPer	•		
TCLP Metal	s:	BRL			
TCLP Volati	les:	BRL			
TCLP Semi-	Volatiles:	BRL			
Reactivity:		Non-Reactive			
Corrosivity:	i	Non-Corrosive	· · · · · · · · · · · · · · · · · · ·		
Ignitability:		Ignitable	····		
CCCTION O.	Marka Danela	A Classificación Madas do CCD	437 (D-s-ising a Dec	T	for Centralized Waste Treatment
Facilities)	AAADTO VECCII	it Classification Onder 40 CFR	457 [Prialping to Pre-	TURATURE KERRITERIENTS	tot Centraliten Marie i realment
THEMPS		rial a wastewater or wastewat complete this section.	er sludge?	Z3Y 🗌	☑ NO
	PLEASE CHE	CK THE APPROPRIATE BOX. IF	NO APPROPRIATE CA	TEGORY, GO TO THE NEX	T PAGE.
Metals Subs	<u>ategory:</u> Sul	nort A			
		oplating baths and/or sludges			
_	_	ing rinse water and sludges			
<u> </u> -	Chromate w		4.44		
		control blow down water and zing solutions	ı zınd <b>Ze</b> z		
		wastewaters			
	Waste liquid				
		taining wastes greater than 1: and bases with or without me			
===	=	sing, and surface preparation		plating or phosphating or	erations
	Vibratory de	burring wastewater	•	. •	
	Alkaline and	acid solutions used to clean n	netal parts or equipme	ent	
Olls Subcate	<u>gary</u> : Subpa	t B			
=	Used alls				
	Oil-water er   Lubricants	nulsions or mixtures			
<del></del>	Coolants				
	Contaminate	ed groundwater clean-up from	petroleum sources		v
	Used petrol	eum products			
뉘	Oil spill clear Bilge water	1-up			,
d		waters from petroleum source	22		
_		•			

☐ Interceptor wastes ☐ Off-specification fuels ☐ Underground storage remediation waste ☐ Tank clean-out from petroleum or oily sources ☐ Non-contact used glycols ☐ Aqueous and oll mixtures from parts cleaning operations ☐ Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C  Landfill leachate  Contaminated groundwater clean-up from non-petroleum sources  Solvent-bearing wastes  Off-specification organic product  Still bottoms  Byproduct waste glycol  Wastewater from paint washes  Wastewater from adhesives and/or epoxles formulation  Wastewater from organic chemical product operations  Tank clean-out from organic, non-petroleum sources
(1)  If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.  Cadmium: 0.2 mg/L  Chromium: 8.9 mg/L  Copper: 4.9 mg/L  Nickel: 37.5 mg/L
(3)  If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory  Olls Subcategory  Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification  The information contained herein is based on   generator knowledge and/or  analytical data.  I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or aspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date: 8/21/2008
Printed Name/Title: sohnny Salinas
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer:  Date: Approved Rejected  Approval Number:



## PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):	
#691m	\$175/Washout
#69/m =30/10 Mgmnt	
2. Contamination Limit (maximum limit before surchage	s apply):
3. Surcharge Pricing:	
4. Special Testing Requirements:	
	·
5. Treatment and Handling Protocol:	
6. Treated Wastewater Discharge Subcategory:	
☐ Subcategory A ☐ Subcategory B ☐	Subcategory C



## PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Rec	overed/Recycled (if a	applicable):	
8. Management for Pro	duct Recovered/Recy	cled (if applicable)	
}			

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		View Section	n: 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
÷		SECTION 1: CH	HEMICA	AL PR	ODU	СТа	nd C	OMF	PANY	IDE	NTIF	ICAT	ION				and the large of the state of t	10
		Product Name: Synonyms:		Raw Debi Napl Hydi Cond	Arom utaniz htha; I rocarb	atic C ed Ard Prima ons; (	omatic ry Ligh Crude	rate; Conc t Oil; Benze	entrat Arom ne; H	e; Drip atic Ga ydrotro	oolene asoline eated	e (Pyga e; Stea e; C5- BTX; I ht Aron	m Cra C9 Benzei					
		Chemical Family: Manufacturer MSD Distributor Name: Distributor Address		101 Texa 355!	-1 as Aroi 5 Timr	matic:	carbon s, LP Lane S 77027		00				,			N	FPA	
· (	9	Distributor Telepho Revision Date:	one:	FOR Accid (713 JAN	CHEM dent C 3) 520 JARY :	1ICAL Call CH -2900 25, 20	EMER( IEMTRI	EC-Da	y or N			, Expo 424-93		r		3	4	1
		Manufacturer Name: Texas Aromatics, LP DESCRIPTIVE FORMULA: Mixture, see Section 2								н	MIS							
			Gasoline (Po Dripolene; S Aromatic Ga Hydrotreate				CHEMICAL NAMES: Raw Aromatic Concentrate; Pyrolysis Gasoline (Pygas); Debutanized Aromatic Concentrate; Oripolene; Steam Cracked Naphtha; Primary Light Oil; Aromatic Gasoline; C5-C9 Hydrocarbons; Crude Benzene; Hydrotreated BTX; Benzene Concentrate, Light Aromatic Concentrate, Light Aromatic Distillate					FIF	ALT RE		3 4 Y 1			
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				seve								identif merge						

\*\* Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (i.e., ambient temperature).

SECTION 2 : COMPOSITION	N, INFORMATION ON INGRE	DIENTS 101
Ingredient Name	CAS#	Ingredient Percent
C4 Hydrocarbons		0-7.7% by Weight
1,3 Butadiene	106-99-0	0.0-4.9% by Weight
Vinyl Acetate	108-05-4	0.0-1.0% by Weight
C5 Hydrocarbons		8-60% by Weight
CPD	542-92-7	
Trans piperylene	2004-70-8	
Isoprene	78-79-5	
Pentene-1	109-67-1	
Cyclopentene	142-29-0	
MCPD/CPD CODIMER	59444-91-6	
Isopentane	78-78-4	
Pentane	109-66-0	
Cis-pentene-2	142-29-0	
2-Methyl-butene-2	513-35-9	
Trans-1,3-pentadiene	2004-70-8	
1,3-Cyclopentadiene	542-92-7	
Cis-1,3-pentadiene	1574-41-0	
2-Methyl-1-pentene	763-29-1	
2-Methylpentene	107-83-5	y partition and an application of the state

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3-Methylpentene	96-14-0	
C6 - C8 Non-Aromatics		4-15% by Weight
Trans Hexene 2	4050-45-7	
1, 3-Cyclohexadiene	592-57-4	
Cyclohexane	110-82-7	
n-Hexane	110-54-3	
1-Hexene	592-41-6	
Benzene	71-43-2	12-69% by Weight
Toluene	108-88-3	2-19% by Weight
C8-C9 Aromatics		3-35% by Weight
Ethylbenzene	100-41-4	
Styrene	100-42-5	
Xylene	1330-20-7	
m-Xylene	108-38-3	
p-Xylene	106-42-3	
o-Xylene	95-47-6	
N-propyl-benzene	103-65-1	
Methyl-ethyl-benzenes	611-14-3	
Tri-methyl-benzenes	526-73-8	
1,2,4-Trimethylbenzene	95-63-6	
Vinyl-toluenes	25013-15-4	
C10+DCPD	77-73-6	10-24% by Weight
Indene	95-13-6	

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CPD-MCPD Codimers

Naphthalene 91-20-3

Biphenyl 92-52-4

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#### SECTION 3: HAZARDS IDENTIFICATION

101

Emergency Overview:

DANGER! TOXIC! EXTREMELY FLAMMABLE LIQUID AND VAPOR! CANCER HAZARD! Vapor is heavier than air and may spread long distances. Distant ignition and flashback are possible. Flammable liquid and vapor can accumulate static charge. Liquid can float on water and may travel to distant locations and/or spread fire. This product is considered harmful if inhalation, skin contact and if it is swallowed. This product is irritating to the eyes and skin. Excessive inhalation of this material may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss c coordination, and in extreme conditions coma and possibly death. Ingestion may cause central nervous system effects and possible kidney and liver damage and blood disorders. Excessive inhalation of this material may cause damage to bloo systems, and over time may cause kidney and liver damage, blood disorders an possibly cancer (leukemia).

Physical State:

Color: Odor: Liquid

Pale Yellow

A Pungent Odor HMIS Ratings: Health: 3 Fire: 4 Reactivity: 1

NFPA Ratings: Health: 3 Fire: 4 Reactivity: 1

Hazard Code Key: 0 = Insignificant 1 = Slight 2 = Moderate 3 = High

4 = Extreme.

- \* National Fire Protection Association. Rating identifies the severity of hazards o material during a fire emergency (i.e., "on fire").
- \*\* Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (i.e., ambient temperature

#### **Applies to All Ingredients:**

Potential Health Effects:

Eye Contact:

Causes irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the

eye. Severe eye damage may cause blindness.

Skin Contact:

Prolonged and/or repeated skin contact with this product may cause irritation, dermatitis, and possible chemical blistering. Product contains component(s) that may be absorbed through the skin. Prolonged contact with this product may

cause allergic skin sensitization reactions.

Inhalation:

This product may be harmful by inhalation. Excessive inhalation may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions

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coma and possible death. Excessive inhalation of this material may cause damage to blood systems, and over time may cause kidney and liver damage, blood disorders and possibly cancer. Small amounts, if aspirated into the lungs,

may cause mild to severe pulmonary injury.

Ingestion: This product may be harmful if swallowed. Ingestion may result in CNS effects

including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possibly death. Small amounts, if aspirated into

the lungs, may cause mild to severe pulmonary injury.

Aggravation of Pre-Existing

Conditions:

Blood dyscrasias, dermatitis, asthma, and pulmonary disease.

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#### SECTION 4: FIRST AID MEASURES

101

Eye Contact: Immediately flush eyes with lukewarm water for at least 15 minutes while lifting

upper and lower eyelids. Continue to flush the eyes if there is any indication of

residual chemical. Seek medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash the affected area with soap and water. If

irritation occurs, contact a physician. Launder contaminated clothing separately

before reuse.

Inhalation: Remove affected individual to fresh air while ensuring the rescuers utilize

appropriate protective equipment. If breathing has ceased, administer artificial respiration. If no pulse is found administer cardiopulmonary resuscitation

immediately. Obtain medical attention immediately.

Ingestion: DO NOT INDUCE VOMITING! Immediately contact a physician.

Note to Physicians: The decision of whether to induce vomiting or not should be made by an

attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgment

of the physician in response to reactions of the patient.

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### **SECTION 5: FIRE FIGHTING MEASURES**

101

Fire: FIRE AND EXPLOSION HAZARDS: Keep vapors away from possible ignition

sources. EXTREMELY FLAMMABLE. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Material is capable of accumulating a static charge which could act as an ignition source. (see NFPA

pamphlet 77, "Static Electricity")

Flash Point: -57 deg C -7 1341. 6 F

Flash Point Method: Cleveland closed cup
Upper Flammable or Explosive 12.0 (estimated)

Limit:

Lower Flammable or Explosive 1.0 (estimated) Limit:

Extinguishing Media: Dry chemical, foam, carbon dioxide, and water fog. Use of an inert foam

extinguishing material may also assist in short term flammable vapor suppression. Use water to cool fire-exposed containers and to protect personnel Water may be ineffective extinguishing medium. Monitor water run-off for flammability, and prevent from entering waterways, drains and sewers, or other

confined or underground spaces.

Fire Fighting Equipment: Fire-fighters should wear full-faced mask, self-contained breathing apparatus

which provides eye protection. Use full turnout suit.

Unusual Fire Hazards: Emptied container may still contain residual vapors or liquid which may ignite or

explode. Do not cut, puncture or weld on or near the container.

Keep container away from heat, sparks and open flame of any sort.

Benzene is prone to static electric build-up and discharge. Always bond and

ground containers when transferring this chemical.

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> Containers may explode in a fire. Vapors may explode if ignited in an enclosed space.

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# SECTION 6: ACCIDENTAL RELEASE MEASURES

101

Spill Cleanup Measures:

TOXIC HAZARD; FLAMMABLE LIQUID; FLAMMABLE VAPORS CAN SPREAD FROM SPILL. Eliminate all ignition sources. Ventilate the area. Isolate the hazard area (be prepared to evacuate unnecessary people at least 2000 feet if there is danger of exploding large containers). Notify Coast Guard and pollution authorities if spill will enter navigable waters.

Do not flush chemical into public sewer or water system. Stop leaks. Contain by diking, etc. Blanket large spills with foam to minimize fire hazard and reduce vaporization. Remove as much as possible. Soak-up large spill residue and small spills with inert absorbent. Place into closed labeled containers and store in a safe outdoor location to await proper disposal. Wash the spill area with soap and water to remove final traces. Personal protective equipment (including respiratory protection and clothing) should be utilized by persons performing thi

**DISPOSAL METHOD:** 

HAZARDOUS WASTE (EPA Hazardous Waste Number: D001 (Flammable Liquid)) Dispose of in a licensed hazardous waste disposal facility in accordance with all applicable Federal, State, and Local health and pollution laws and regulations.

To Top of page (1)

#### SECTION 7: HANDLING and STORAGE

Handling:

Keep locked up or secured. Handle in fully grounded, properly designed, and approved equipment systems that are suitable for flammable liquids. Keep away from heat and ignition sources. Dissipate static electricity during transfer by grounding and bonding containers and equipment. Do not pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Do not breathe gas, fumes, vapor, or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested seek medical advice immediately. Avoid contact with skin and eyes. Keep away from incompatible materials such as oxidizing agents and acids. After handling, always wash hands thoroughly with soap and water.

Storage:

Ground and bond shipping shipping container, transfer line, and receiving container. Keep away from heat, sparks, flame, and other sources of ignition. Protect containers against static electricity, lightning, and physical damage. Kee container tightly closed and in a well-ventilated place.

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#### SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

101

Ventilation System:

Use only with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Personal Protective Equipment

Routine Handling:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Take necessary precautions to avoid thermal burns. Face shield, gloves, and organic vapor respirator advised when transferring and sampling. Have properly grounded system for all transfer and storage equipment to avoid development o

Skin Protection Description:

Use protective, clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Remov€ contaminated clothing no later than the end of the work period and clean before reuse. Contaminated leather items, such as shoes, belts, and watchbands, should be removed and destroyed.

Eye/Face Protection:

Use chemical goggles. If vapor exposure causes eye discomfort, use a fullface respirator.

Do not smoke or consume food or beverages in the work area. Wash thoroughly after handling the product.

Respiratory Protection:

Atmospheric levels should be maintained below the exposure guideline. When

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**Exposure Limits:** 

respiratory protection is required for certain operations, use an approved airpurifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive-pressure selfcontained self-breathing apparatus or positive-pressure airline with auxiliary self contained air supply. In confined or poorly ventilated areas, use an approved positive-pressure supplied-air respirator.

MATERIAL: 1,3-Pentadiene 2,4,6 CAS#: 504-60-9 ACGIH TLV-TWA: Not Established OSHA PEL-TWA: Not Established

#### Notes

TLV-TWA - Threshold Limit Value - Time Weighted Average for concentration of the chemical substance in the ambient workplace air. (The skin notation calls attention to the skin as an additional significant route of absorption of the listed chemical.) American Conference of Governmental Industrial Hygienists (ACGIH)

OSHA PEL - OSHA Permissible Exposure Limit, 8-hour TWA. 29CFR 1910.1028, Transitional Limits column, Table Z-1-A, Table Z-2 and Table Z-3.

STEL - Short Term Exposure Limit, 15 minutes

MATERIAL: Benzene 1,2,3,4,5,6 CAS#: 71-43-2 Dermal LD50 Rabbit: > 9400 μL/kg Oral LD50 Rat: 930 mg/kg. Inhalation LC50 Rat: 10,000 ppm/7H

MATERIAL: Toluene 1,2,3,4,5,6 CAS#: 108-88-3 Oral LD50 Rat: 636 mg/kg

Inhalation LC50 Rat: 49 g/m3/4H Dermal LD50 Rabbit: 14100 μL/kg

MATERIAL: Styrene 1,2,4,5,6

CAS#: 100-42-5

Oral LD50 Rat: 2650 mg/kg Inhalation LC50 Rat: 12 g/m3/4H

MATERIAL: Xylenes 1,2,4,5,6 (M-,P- & o-)

CAS#: 1330-20-7

MATERIAL: Dicyclopentadiene 1,2,5,6

CAS#: 77-73-6

Oral LD50 Rat: 353 mg/kg

Inhalation LC50 Mouse: 145 mg/kg/4H Dermal LD50 Rabbit: 5080 mg/kg

MATERIAL: 1,3-Butadiene 1,2,3,4,5,6

CAS#: 106-99-0

MATERIAL: Ethyl Benzene 1,2,4,5,6

CAS#: 100-41-4

MATERIAL: 1,3-Cyclopentadiene 2,4,5,6

CAS#: 542-92-7

Cyclopentadiene LD50: Not Established

Cyclopentadiene LC50 (rat, inhalation): 39 gm/m

MATERIAL: 1,3-Pentadiene 2,4,6

CAS#: 504-60-9

Inhalation LC50 Mouse: 1100 mg/m3/2H Inhalation LC50 Rat: 140 g/m3/2H

MATERIAL: Isoprene CAS#: 78-79-5

Inhalation LC50 Rat: 180 g/m3/4H Inhalation LC50 Mouse: 139 g/m3/2H

Component: Benzene

ACGİH: A1-Human Carcinogen IARC: Carcinogenic to humans

OSHA: Carcinogen NTP: Known Carcinogen MSDSVault.com Page 8 of 16

Component: Styrene IARC: Possibly carcinogenic

Component: Isoprene IARC: Possibly carcinogenic

NTP: Reasonably Anticipated Carcinogen

Component: Ethylbenzene

ACGIH: Confirmed Animal Carcinogen

IARC: Possibly carcinogenic

Component: 1,3-Butadiene

ACGIH: Suspected Human Carcinogen IARC: Probably carcinogenic To humans

OSHA: Carcinogen NTP: Known Carcinogen

Legislative Footnotes:

1 Ingredient listed on SARA Section 313 List of Toxic Chemicals. 2 Ingredient listed on the Pennsylvania Hazardous Substances List.

3 Ingredient listed on the California listing of Chemicals Known to the State to

Cause Cancer or Reproductive Toxicity.

4 Ingredient listed on the Massachusetts Substance List.

5 Workplace Hazardous Materials Information System ingredient found on the

Ingredient Disclosure List - Canada.

6 Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

#### **Ingredient Guidelines**

Ingredient: 1,3 Butadiene

Guideline Type: ACGIH TLV-TWA

Guideline Information: 2 ppm

Guideline Type: OSHA PEL-TWA

Guideline Information: 1 ppm

Guideline Type: OSHA PEL-STEL

Guideline Information: 5 ppm

Ingredient: 1,3-Cyclopentadiene

Guideline Type: OSHA PEL-TWA

Guideline Information: 75 ppm

Guideline Type: ACGIH TLV-TWA

Guideline Information: 75 ppm

Ingredient: Benzene

Guideline Type: ACGIH TLV-TWA
Guideline Information: 0.5 ppm (Skin)

Guideline Type: ACGIH TLV-STEL

Guideline Information: 2.5 ppm

Guideline Type: OSHA PEL-TWA

Guideline Information: 1 ppm

Guideline Type: OSHA PEL-STEL

Guideline Information: 5 ppm

Ingredient: C10+DCPD

Guideline Type: OSHA PEL-TWA

Guideline Information: 5 ppm

Guideline Type: ACGIH TLV-TWA

Guideline Information: 5 ppm

Ingredient: Ethylbenzene

Guideline Type: ACGIH TLV-TWA

Guideline Information: 100 ppm

Guideline Type: ACGIH TLV-STEL

Guideline Information: 125 ppm
Guideline Type: OSHA PEL-TWA

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Guideline Information:

Guideline Information:

100 ppm

125 ppm

Guideline Type:

OSHA PEL-STEL

Ingredient: Styrene

Guideline Type:

ACGIH TLV-TWA

Guideline Information:

20 ppm (Skin)

Guideline Type:

**ACGIH TLV-STEL** 

Guideline Information:

40 ppm

Guideline Type:

OSHA PEL-TWA

Guideline Information:

50 ppm

Guideline Type:

OSHA PEL-STEL

Guideline Information:

100 ppm

Ingredient: Toluene

Guideline Type: Guideline Information: ACGIH TLV-TWA

Guideline Type:

50 ppm (Skin) OSHA PEL-TWA

Guideline Information:

100 ppm

Guideline Type:

OSHA PEL-STEL

Guideline Information:

150 ppm

Ingredient: Xylene

Guideline Type:

**ACGIH TLV-TWA** 

Guideline Information:

100 ppm

Guideline Type:

ACGIH TLV-STEL

Guideline Information:

150 ppm

Guideline Type:

OSHA PEL-TWA

Guideline Information:

100 ppm

Guideline Type: Guideline Information: OSHA PEL-STEL

150 ppm

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#### SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

101

Physical State/Appearance:

Clear, liquid

Color:

Slightly yellow to dark amber

Odor:

Pungent, aromatic, highly irritating

Physical State:

Reid vapor pressure 6-13 max.

Liquid

Vapor Pressure:

(AIR=1): > 1

Vapor Density: **Boiling Point:** 

80.0-650 deg F, 26-343 deg C

Solubility:

IN WATER: Negligible

Specific Gravity:

0.73-0.89, 60/60 deg F

PHYSICAL DATA (Typical data, not specifications)

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#### SECTION 10: STABILITY and REACTIVITY

101

Chemical Stability:

Material similar to gasoline. It may be ignited under almost all temperatures. Keep away from heat, flames, and spark-producing equipment. Avoid high temperatures which may cause decomposition and large pressure increases.

Conditions to Avoid:

Material similar to gasoline. It may be ignited under almost all temperatures. Keep away from heat, flames, and spark-producing equipment. Avoid high temperatures which may cause decomposition and large pressure increases.

Incompatibilities with Other

Materials:

(Materials to Avoid): Reacts with chlorine, ozone, perchloryl fluoride, liquid oxygen and other strong oxidizing agents such as hydrogen peroxide, permanganates and perchlorates. Depending upon the amount and specific

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materials involved, contact can result in intense heat, boiling, flame

development, explosion or toxic gas generation. Spontaneous combustion may

occur with sodium peroxide or potassium peroxide.

Hazardous Polymerization:

Hazardous Decomposition

Products:

Will not occur.

Carbon monoxide, carbon dioxide, and small amounts of aromatic and aliphatic

hydrocarbons.

#### SECTION 11: TOXICOLOGICAL INFORMATION

101

Applies to all ingredients:

Inhalation Effects:

MATERIAL: 1,3-Pentadiene 2,4,6

CAS#: 504-60-9

Inhalation LC50 Mouse: 1100 mg/m3/2H Inhalation LC50 Rat: 140 g/m3/2H

Carcinogenicity:

Contains benzene, a carcinogen listed by IARC, NTP and OSHA. Benzene has been shown to cause cancer in laboratory animals and humans. Contains styrene, listed by IARC, and 1,3- butadiene, listed by IARC and NTP, as potentia carcinogens. Contains naphthalene which has caused cancer in some laboratory

animals.

Mutagenicity:

(Effects on Genetic Material): Contains a few components which have caused some mutagenic activity in vitro (test tube) tests and in animals. Results of isoprene in vitro mutagenicity tests have been negative. Isoprene has been

shown to have mutagenic activity in animals.

Teratogenicity:

(Birth Defects): Contains components which have caused toxicity to the fetus or birth defects in mice. 1, 3- butadiene was toxic to the fetus in laboratory animal

at doses nontoxic to the mother.

Reproductive Toxicity:

In animal studies, benzene, styrene and toluene have been shown to affect

reproductive capacity.

Other Toxicological Information:

SYSTEMIC AND OTHER EFFECTS: Signs and symptoms of excessive exposure may be central nervous system effects, neurologic signs and symptoms, irritation to upper respiratory tract, and may cause hemopoietic injury (damage to blood forming organs). Contains components which may cause lung, CNS, liver and kidney effects and which have caused hearing loss in laboratory

animals and/or humans. Can cause blood disorders.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Blood dyscrasias,

dermatitis, asthma, and pulmonary disease.

HAZARDOUS INGREDIENT SPECIFIC MEDICAL DATA (if ingredient found in

"pure" form):

1,3 Butadiene:

Acute Health Effects:

Butadiene is irritating to the eyes and mucous membranes. Skin contact can result in burns or frost bite (due to rapid vaporization). Human systemic effects by inhalation are; cough, hallucinations, distorted perceptions, changes in the visual field and other unspecified eye effects. Butadiene is listed as an ACGIH suspected human carcinogen, an NTP anticipated human carcinogen and an IAR possible carcinogen.

Isoprene:

Acute Health Effects:

Isoprene Repeated exposure to isoprene may cause bronchitis to develop with

cough, phlegm, and/or shortness of breath.

Inhalation Effects:

Inhalation LC50 Rat: 180 g/m3/4H Inhalation LC50 Mouse: 139 g/m3/2H

1,3-Cyclopentadiene:

Acute Health Effects:

Cyclopentadiene May be irritating to the eyes and skin. It may also cause contac dermatitis and sensitization. Repeated exposure has produced CNS depression with terminal seizures, mild liver and kidney injury in experimental animals. Headache, abdominal pain, jaundice, and anemia may occur following chronic

Cyclopentadiene LD50: Not Established

Inhalation Effects:

Cyclopentadiene LC50 (rat, inhalation): 39 gm/m

Benzene:

Acute Health Effects:

Benzene is a severe eye and moderate skin irritant. Human systemic effects by inhalation and ingestion are: euphoria, somnolence, changes in motor activity,

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> nausea, vomiting, reduced number of blood platelets, other unspecified blood effects, dermatitis and fever. Benzene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity. Benzene is a human carcinogen which produces myeloid leukemia and lymphomas by inhalation. It is listed as an OSHA carcinogen, an ACGIH, NTP and IARC human carcinogen.

Skin Effects:

Dermal LD50 Rabbit: > 9400 uL/kg

Ingestion Effects:

Oral LD50 Rat: 930 mg/kg

Inhalation Effects:

Inhalation LC50 Rat: 10,000 ppm/7H

Toluene:

Acute Health Effects:

Toluene may cause central nervous system depression and is an ocular irritant. Inhalation and subcutaneous injections in high concentrations in rats caused high-frequency hearing loss. Toluene causes CNS narcosis; mild, transient irritation of the upper respiratory tract; hilarity; nausea; nasal discharge; drowsiness; ataxia; dizziness; cerebellar ataxia; cognitive dysfunction; metallic taste; loss of appetite; weakness; and palpitations. High concentrations are associated with CNS encephalopathy, headache, depression, and lassitude. Fetotoxicity appears at levels associated with CNS narcosis and occurs perhaps only in those with chronic tolueneinduced kidney failure. Toluene does not result in the severe bone marrow depression that is characteristic of occupational

benzene poisoning.

Skin Effects:

Dermal LD50 Rabbit: 14100 µL/kg

Ingestion Effects: Inhalation Effects: Oral LD50 Rat: 636 mg/kg Inhalation LC50 Rat: 49 g/m3/4H

Ethylbenzene:

Acute Health Effects:

Ethyl benzene is an irritant of the skin and mucous membranes and appears systemically to have acute and possibly chronic effects on the central nervous

system (CNS).

Styrene:

Acute Health Effects:

Styrene may cause central nervous system depression, headaches, fatigue, nausea, and dizziness. Sensory nerve condition reductions can occur of reduced peripheral nerve conduction velocity and sensory amplitude that slowed reaction time and changes in worker visual ability. Severe intoxication may cause

encephalopathy and hepatitis. Oral LD50 Rat: 2650 mg/kg

Ingestion Effects: Inhalation Effects:

Inhalation LC50 Rat: 12 g/m3/4H

Xvlene:

Acute Health Effects:

Xylenes are eye and skin irritants. Chronic xylene exposure may cause CNS damage. Human systemic effects by inhalation are: olfactory changes, conjunctiva irritation and pulmonary changes. Xylene vapor is an irritant of the eyes, mucous membranes, and skin. It has caused narcosis at high

concentrations. Liquid xylene is a skin irritant and causes erythema, dryness, and defatting. At high doses xylene has been reported to cause unconsciousness transient hepatic and renal toxicity. Xylene has been shown to cause

embryo/fetal toxicity and birth defects in laboratory animals, but only at doses

which cause maternal toxicity.

C10+DCPD:

Acute Health Effects:

Dicyclopentadiene Exposure may occur by inhalation with little absorption through the skin. Irritating to the eye and skin. Testing indicates material is not a skin sensitizer. It is toxic to the CNS. Product is highly toxic through ingestion

with possible effects including kidney and liver damage.

Skin Effects:

Dermal LD50 Rabbit: 5080 mg/kg

Oral LD50 Rat: 353 mg/kg

Ingestion Effects:

Inhalation Effects:

Inhalation LC50 Mouse: 145 mg/kg/4H

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SECTION 12: ECOLOGICAL INFORMATION

101

Ecological Paragraph:

General Material Information: Pygas has been evaluated under ACC's HPV Group 5 mixtures (High Benzene Naphthas). Major components are highly volatile and will partition rapidly to air. Product is largely insoluble in water. It is considered to have moderate toxicity to aquatic algae, freshwater fish and invertebrates, based on toxic disruption of biological membrane function. Product has likely low to moderate absorption into soil and sediment.

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> Mobility: No information available for the product as a tested mixture. Benzene migrates in sols and in ground waters. Its airborne levels can be reduced by rair or water spray. Dicyclopentadiene is less mobile and may be less accessible to ground water than benzene and toluene components. DCPD has high affinity for soil adsorption. Xylene will be scavenged by rain. From the surface of water, hal of the amount of xylene will be volatized within 2 to 5.5 days.

> Persistence/Degradability: Based on major components, these mixtures are expected to have significant biodegradation over a broad range of environmenta conditions (natural attenuation). Benzene in air will photo-degrade with a calculated half-life of 13.4 days. This is accelerated in polluted atmospheres containing nitrogen or sulfur oxides. By products include phenol, nitrophenols, nitrobenzene, formic acid and peroxyacetyl nitrate. Benzene will biodegrade in soils and ground waters (half-life 16-28 days) under aerobic conditions. Limited degradation found under anaerobic conditions. Sewage treatment plants have been shown to remove 44-100%. DCPD in air will photo-degrade, with estimated halflife of 1-3 hours. DCPD in surface waters will volatize in 3-4 hours, with som possible adsorption into suspended matter or sediment. This will degrade depending on temperature and water conditions in an estimated 80 days. DCPD biodegrades very slowly in ground waters or soils. Estimated half-life in soils is 4 7 years. When released into the air, xylene may degrade in air by reaction with photochemically produced hydroxyl radicals.

Bioaccumulation/Accumulation: No information available for the product as a tested mixture. Based on major components significant bioaccumulation is not expected to occur.

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#### SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Dispose of only in accordance with local, state, and federal regulations. Land disposal of this product is restricted. Do not contaminate any lakes, streams, ponds, groundwater, or soil. This product has the RCRA classification of benzene toxicity and ignitability. If discarded in its present form, it would have the hazardous waste numbers D018 and D001 respectively. Under RCRA, it is the responsibility of the user of the product to determine at time of disposal, whether the product meets criteria for hazardous waster since the products uses transformations, mixtures, processes, etc. may change the classification.

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Dispose of in a licensed hazardous waste disposal facility in accordance with all applicable Federal, State, and Local health and pollution laws and regulations.

EPA Waste Number:

HAZARDOUS WASTE (EPA Hazardous Waste Number: D001 (Flammable Liquid))

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## **SECTION 14: TRANSPORT INFORMATION**

101

DOT Shipping Information:

DOT basic descriptions can vary based on package quantity and may not coincide with international description requirements. Consult the Hazardous Materials Regulations in 49CFR and the appropriate Dangerous Goods Regulations to confirm description applicability to specific shipments.

DOT Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene)

DOT UN Number: **DOT Hazard Class:**  UN3295 3

DOT Packing Group:

II

DOT Subpart E Labeling

Flammable liquid

Requirement:

Canadian Hazard Class:

3

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Canadian UN Number:

UN3295

Canadian Shipping Label:

Flammable liquid

CGVS/GGVE/IMDG UN or NA

UN3295

Identification Number: CGVS/GGVE/IMDG Class:

Ħ

CGVS/GGVE/IMDG Packaging

CGVS/GGVE/IMDG Subsidiary Risk Flammable liquid

Label:

Sea - IMDG:

Shipping Name: Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes,

dicyclopentadiene)

Air - ICAO Shipping Name: Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, II Label required: Flammable liquid

TDG (Canada) Shipping Name: Hydrocarbons liquid, N.O.S. (benzene, toluene,

xylenes, dicyclopentadiene), II

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#### SECTION 15: REGULATORY INFORMATION

101

#### **Applies to All Ingredients:**

Section 304:

OTHER NOTES: CERCLA HAZARDOUS SUBSTANCE:

Component: Hexane CERCLA RQ: 5000 lbs

Component: 1,3-Pentadiene

CERCLA RO: 100 lbs

Section 312 Hazard Category:

SARA HAZARD CATEGORY: This product has been reviewed according to the EP/ "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered,

under applicable definitions, to meet the following categories:

Acute: Yes Chronic: Yes Fire: Yes

State: MATERIAL: 1,3-Pentadiene

CAS#: 504-60-9

Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Regulatory Paragraph:

(Not meant to be all-inclusive--selected regulations represented.)

Canada WHMIS:

WHMIS (Canada) Classification

Class B, Division 2: Flammable liquid

Class D, Division 2, Subdivision B: Toxic material Class D, Division 2, Subdivision A: Very toxic material

NOTICE:

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS Sheet for health and

safety information.

#### 1,3 Butadiene:

Section 304 CERCLA RO:

10 lbs

Section 313 Toxic Release Form:

Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: 1.3-BUTADIENE CAS NUMBER: 000106-99-0 CONCENTRATION: 0.0 - 4.9%

State:

Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the California listing of Chemicals Known to the State to

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Cause Cancer or Reproductive Toxicity.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List. Workplace Hazardous Materials Information System ingredient found on the

Canada WHMIS: Ingredient Disclosure List - Canada.

Vinvl Acetate:

Section 302: SARA 302 Extremely Hazardous Substances:

CHEMICAL NAME: Vinyl acetate CAS NUMBER: 108-05-4 CONCENTRATION: < 0.5%

Section 304:

SARA 304 Extremely Hazardous Substances:

CHEMICAL NAME: Vinyl acetate CAS NUMBER: 108-05-4 CONCENTRATION: < 0.5%

Isoprene:

Section 304 CERCLA RQ:

100 lbs

1,3-Cyclopentadiene:

State:

Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List. Workplace Hazardous Materials Information System ingredient found on the

Canada WHMIS: Ingredient Disclosure List - Canada.

Benzene:

Section 304 CERCLA RQ:

Section 313 Toxic Release Form:

Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: BENZENE CAS NUMBER: 000071-43-2 CONCENTRATION: 12 - 69%

State:

Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the California listing of Chemicals Known to the State to

Cause Cancer or Reproductive Toxicity.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS:

Workplace Hazardous Materials Information System ingredient found on the

Ingredient Disclosure List - Canada.

**Toluene:** 

Section 304 CERCLA RQ:

1000 lbs

Section 313 Toxic Release Form:

Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: TOLUENE CAS NUMBER: 000108-88-3 CONCENTRATION: 2 - 19%

State:

Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the California listing of Chemicals Known to the State to

Cause Cancer or Reproductive Toxicity.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List. Workplace Hazardous Materials Information System ingredient found on the

Canada WHMIS:

Ingredient Disclosure List - Canada.

Ethylbenzene:

Section 304 CERCLA RQ:

1000 lbs

Section 313 Toxic Release Form:

Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: ETHYLBENZENE CAS NUMBER: 000100-41-4

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CONCENTRATION: 0.5 - 3.5%

Ingredient listed on the Pennsylvania Hazardous Substances List. State:

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List. Workplace Hazardous Materials Information System ingredient found on the

Canada WHMIS:

Ingredient Disclosure List - Canada.

Styrene:

Section 304 CERCLA RO: 1000 lbs

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

> CHEMICAL NAME: STYRENE CAS NUMBER: 000100-42-5 CONCENTRATION: 1.0 - 6.0%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List. Workplace Hazardous Materials Information System ingredient found on the

Ingredient Disclosure List - Canada.

Xylene:

Canada WHMIS:

Section 304 CERCLA RQ: 100 lbs

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: XYLENE (MIXED ISOMERS)

CAS NUMBER: 001330-20-7 CONCENTRATION: 0.5 - 2.6%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the Massachusetts Substance List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List. Workplace Hazardous Materials Information System ingredient found on the

Ingredient Disclosure List - Canada.

C10+DCPD:

Canada WHMIS:

Section 313 Toxic Release Form: Ingredient listed on SARA Section 313 List of Toxic Chemicals.

CHEMICAL NAME: DICYCLOPENTADIENE

CAS NUMBER: 000077-73-6 CONCENTRATION: 10 - 24%

State: Ingredient listed on the Pennsylvania Hazardous Substances List.

Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

Canada WHMIS: Workplace Hazardous Materials Information System ingredient found on the

Ingredient Disclosure List - Canada.

Naphthalene:

Section 304 CERCLA RQ: 100 lbs

Section 313 Toxic Release Form: CHEMICAL NAME: NAPHTHALENE

CAS NUMBER: 000106-99-0 CONCENTRATION: 0 - 1.3%

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## **SECTION 16: ADDITIONAL INFORMATION**

101

HMIS:

Health Hazard:

3 = High

Fire Hazard: Reactivity:

4 = Extreme 1 = Slight

NFPA:

Health:

3 = High

Fire Hazard:

4 = Extreme

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Reactivity:

1 = Slight

MSDS Revision Date:

JANUARY 25, 2005

Supersedes: APRIL 30, 2002

#### Disclaimer:

NOTICE: The data and recommendations presented herein are based upon data which is considered to be accurate. However, Texas Aromatics, LP makes no guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data recommendations. Where the information provided herein discloses a potential hazard c hazardous ingredient, adequate warning should be provided to employees and users and appropriate precautions taken including the practice of good industrial hygiene.

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date show above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS Sheet for health and safety information.

Hazard Code Key:

0 = Insignificant

1 = Slight

2 = Moderate

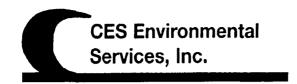
3 = High

4 = Extreme.

- \* National Fire Protection Association. Rating identifies the severity of hazards o material during a fire emergency (i.e., "on fire").
- \*\* Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (i.e., ambient temperature

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# Waste Pre-Acceptance/Approval Letter

Date 4/21/2006

Dear Jonny Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1521

**Generator:** Kinder Morgan **Address:** 906 Clinton Dr

Galena Park, TX 77547

# Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Rinsing of tank previously containing aromatic concentrate product

Color: Clear

Odor: Aromatic hydrocarbon pH: 5-9

**Physical State:** 

Incompatibilities: ignition sources, oxidizers
Safety Related Data/Special Handling:

See attached MSDS

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

# **CES Environmental** Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.ccsenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948 ISWR No: 30900 U.S. EPA ID No: TXD008950461

SECTION 1: Gene Company:	Kinden	Morsey			1
Address:	906 C	100			
City, State, Zip:	100	16 Th	77547		
Contact:	LANCE WI		Title:	Bar Copy Later	
Phone No:	7/1 520-89	17/	Fax No:	The state of the s	
24/hr Phone:	7/3 724 49	2 6	Fax No.		
U.S. EPA I.D. No:	-NODE486		<del></del>		1
State I.D.	30573	<del></del>	SIC Code:	2446	
OF CTION OF DUIL			<del></del>		
	g Information -	Same as Above			
Company:	405 Clinton	Vr 2750	~		<del></del>
Address:	69leps Pack	16 1254	·/	<del></del>	<del> </del>
City, State, Zip:	Klyle Marse				<del></del> -
Contact:	SAME	Title:		7-0//	_
Phone No:	SAME	Fax P	io: 7/3-47	2 - 7660	
SECTION 3: Gene	ral Description of th	o Waste			
	0-11	Hydrocanha	- I NEK	- mixtu	
Name of Waste:	re yours	mydrocansa	a and were		. 1
Detailed Description	n of Process General	ling Wante: <u>Kidyid</u>	Take 0	ALCOHOLD PLANTS	<b>3 '7</b>
		_	´_ ~	concentrate i	<b>C</b>
Physical State:	Liquid	Sludge 🗌	Powder	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	أردره
	Solid Solid	Filter Cake	Combinatio	n Concempost I	
Color: Class	,	Odor: Machie	Hardens and a		-
	<b>.</b> .		-		
Specific Gravity (w	nter=1);	Density: 4.3 lbs	<u>/g</u> al		
Layers:	Single phase	Multi-pha	Se		
Contains The		<b>~</b>		<b>-</b>	
Container Type:	☐ Drum	Tote	Truck	Other (explain)	- [
Container Size:	5, <u>200</u> 5,0	Total			
	•				
Prequency:	☐ Weekly	Monthly	Quarterly	Yearly	
Number of Units (co	X X	•	Canada dangeria	E l'airy	
		Other:			1
Texas State Waste (	ode No:	N14 - 1	Recyclable	4 .	-
Proper U.S. DOT SI	ipping Name;	Back	ydracarbon mi		- <del> </del>
Class: 7	* ***	Kecher 1			
CIASS:	מאט	" <u>UN 199</u>	3 PG: //	r/ RQ:	
;			_		
Flash Point	T <sub>n</sub> u	Denathia Calda		la Genzane	
Flash Point	PH 5-9	Reactive Sulfides	Reactive C	anides Solid	1
		mg/l	6 mg/l		<del>- </del>
(1) & C				7 844 4 4	
Oil&Gresse 2-5_mg/l	TOC mg/l	Zinc mg/l	Coppermg/l	Nickel mg/l	1

CES Environmental bycs.

i

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials	Ranges are acceptable	or %
Water	96 - 78	9.
Arematic	2-5	9.
ruid	-501005	9.
		<del>                                     </del>
		<del> </del>
		<del>1</del> /
SECTION 5: Sofety Related Data		
If the handling of this waste requires the use of special protective equips	ment, please explain.	
SECTION 6: Attached Supporting Documents		1
	#.4	1
List all documents, notes, data, and/or analysis attached to this form as  See Attached MSOS	part of the waste approval packag	ge.
SECTION 7: Incompatibilities		
		1
Please list all incompatibilities (if any):		
•••		
SECTION 8: Generator's Knowledge Documentation		1
Laboratory analysis of the hazardous waste characteristics, listed below. generator knowledge:	, WAS NOT PERFORMED based	d upon the fo
TCLP Metals: N/A \ al.ble		
TCLP Volatiles:	•	
TCLP Semi-Volatiles: 200. 3	, . ,	1
Corrosivity:	••	
ignitability:		
SECTION 9: Conerator's Certification	•	
The information contained herein is based on la generator knowledge and/o		
omissions of composition properties exist and that all known or suspected ested are representative of all materials described by this document.	hazards have been disclosed. I cer	tify that the t
of an inaction by this document.		
Authorized Signature:	Date: 6-21-06	'
rinted Name Title: Lance Wiley Env. Coolt	7	
		Ì
ES USE ONLY (DO NOT WRITE IN THIS SPACE)	<del></del>	
and the At	•	
	nal Information:	
rate: 41-21-06 Approved Rejected	RFC	7-
The second secon		
DOFOVAL Number: 1521		
pproval Number: 1521		

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES  NO
lf '	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	ds Subcategory; Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste Ilquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oila</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fiels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Orga	nicz Subcategory: Subpart C
	Landfill leachate  Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes  Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

25-14,5,18,28,4,

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TEXAS AROMATICS, LP MATERIAL SAFETY DATA SHEET AROMATIC CONCENTRATE LAST ISSUE: APRIL 30, 2002 **REVISED: JANUARY 25, 2005** 

# SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTOR Texas Aromatics, LP 3555 Timmons Lane Ste# 700 Houston, Texas 77027 (713) 520-2900

FOR CHEMICAL EMERGENCY Spill, Leak, Fire, Exposure or Accident Call CHEMTREC-Day or Night (800) 424-9300

DESCRIPTIVE FORMULA Mixture, see Section 2

CHEMICAL FAMILY Aromatic Hydrocarbons

CHEMICAL NAMES AND SYNONYMS

Raw Aromatic Concentrate; Pyrolysis Gasoline (Pygas); Debutanized Aromatic Concentrate; Dripolene; Steam Cracked Naphtha; Primary Light Oil; Aromatic Gasoline; C5-C<sub>B</sub> Hydrocarbons; Crude Benzene; Hydrotreated BTX; Benzene Concentrate, Light Aromatic Concentrate, Light Aromatic Distillate

# SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENTS	<u>WT%</u>	CAS NO.
C <sub>4</sub> Hydrocarbons 1,3 Butadiene Vinyl Acetate	0-7.7% (0.0 <b>-4</b> .9%) (0.0-1.0%)	106-99-0 108-05-4
C <sub>5</sub> Hydrocarbons CPD Trans piperylene Isoprene Pentene-1 Cyclopentene MCPD/CPD CODIMER Isopentane Pentane Cis-pentene-2 2-Methyl-butene-2 Trans-1,3-pentadiene 1,3-Cyclopentadiene Cis-1,3-pentadiene 2-Methyl-1-pentene 2-Methyl-1-pentene 3-Methylpentene	в-60%	542-92-7 2004-70-8 78-79-5 109-67-1 142-29-0 59444-91-6 78-78-4 109-66-0 142-29-0 513-35-9 2004-70-8 542-92-7 1574-41-0 763-29-1 107-83-5 96-14-0

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# SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS (continued)

COMPONENTS  C <sub>6</sub> - C <sub>8</sub> Non-Aromatics	<u>WT%</u> 4-15%	CAS NO.
Trans Hexene 2 1, 3-Cyclohexadiene Cyclohexane n-Hexane 1-Hexene	<del></del>	4050-45-7 592-57-4 110-82-7 110-54-3 592-41-6
Benzene	12-69%	71-43-2
Toluene	2-19%	108-88-3
C <sub>e</sub> -C <sub>e</sub> Aromatics Ethylbenzene	3-35%	100-41-4 100-42-5
Styrene Xylene m-Xylene p-Xylene o-Xylene o-Xylene N-propyl-benzene Methyl-ethyl-benzenes Tri-methyl-benzenes 1,2,4-Trimethylbenzene Vinyl-toluenes	1330-20-7	108-38-3 106-42-3 95-47-6 103-65-1 611-14-3 526-73-8 95-63-6 25013-15-4
C <sub>10</sub> + DCPD Indene CPD-MCPD Codimers Naphthalene Biphenyi	10-24%	77-73-6 95-13-6 91-20-3 92-52-4

#### SECTION 3 - HAZARDS IDENTIFICATION

## **EMERGENCY OVERVIEW**

DANGERI TOXICI EXTREMELY FLAMMABLE LIQUID AND VAPORI CANCER HAZARD! Product is a pale yellow liquid with a pungent odor. Vapor is heavier than air and may spread long distances. Distant ignition and flashback are possible. Flammable liquid and vapor can accumulate static charge. Liquid can float on water and may travel to distant locations and/or spread fire. This product is considered harmful if inhalation, skin contact and if it is swallowed. This product is irritating to the eyes and skin. Excessive inhalation of this material may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possibly death. Ingestion may cause central nervous system effects and possible kidney and liver damage and blood disorders. Excessive inhalation of this material may cause damage to blood systems, and over time may cause kidney and liver damage, blood disorders and possibly cancer (leukemia).

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#### SECTION 3 - HAZARDS IDENTIFICATION (continued)

HMIS Ratings:

Health:3

Fire:4

Reactivity:1

NFPA Ratings:

Health:3

Fire:4

Reactivity:1

Hazard Code Key: 0 = Insignificant; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme.

\* National Fire Protection Association. Rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

\*\* Hazardous Materials Identification System, National Paint and Coatings Association. Rating applies to product "as packaged" (I.e., ambient temperature).

## POTENTIAL HEALTH EFFECTS

<u>Eves</u>: Causes irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.

<u>Skin</u>: Prolonged and/or repeated skin contact with this product may cause irritation, dermatitis, and possible chemical blistering. Product contains component(s) that may be absorbed through the skin. Prolonged contact with this product may cause allergic skin sensitization reactions.

Inhalation: This product may be harmful by Inhalation. Excessive inhalation may result in heartbeat irregularities and central nervous system effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possible death. Excessive inhalation of this material may cause damage to blood systems, and over time may cause kidney and liver damage, blood disorders and possibly cancer. Small amounts, if aspirated into the lungs, may cause mild to severe pulmonary injury.

Ingestion: This product may be harmful if swallowed. Ingestion may result in CNS effects including headache, sleepiness, dizziness, nausea, loss of coordination, and in extreme conditions coma and possibly death. Small amounts, if aspirated into the lungs, may cause mild to severe pulmonary injury.

# **SECTION 4 - FIRST AID MEASURES**

#### INHALATION

Remove affected individual to fresh air while ensuring the rescuers utilize appropriate protective equipment. If breathing has ceased, administer artificial respiration. If no pulse is found administer cardiopulmonary resuscitation immediately. Obtain medical attention immediately.

## EYE CONTACT

Immediately flush eyes with lukewarm water for at least 15 minutes while lifting upper and lower eyelids. Continue to flush the eyes if there is any indication of residual chemical. Seek medical attention Immediately.

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#### SECTION 4 - FIRST AID MEASURES (continued)

#### SKIN CONTACT

Remove contaminated clothing. Wash the affected area with soap and water. If irritation occurs, contact a physician. Launder contaminated clothing separately before reuse.

#### INGESTION

DO NOT INDUCE VOMITING! Immediately contact a physician.

#### NOTE TO PHYSICIAN

The decision of whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. If burn is present, treat as any thermal burn, after decontamination. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

#### SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

-57°C

METHOD USED:

Cleveland closed cup

#### FLAMMABLE LIMITS

LFL: 1.0 (estimated)
UFL: 12.0 (estimated)

#### EXTINGUISHING MEDIA

Dry chemical, foam, carbon dioxide, and water fog. Use of an inert foam extinguishing mater al may also assist in short term flammable vapor suppression. Use water to cool fire-exposed containers and to protect personnel. Water may be ineffective extinguishing medium. Monitor water run-off for flammability, and prevent from entering waterways, drains and sewers, or other confined or underground spaces.

FIRE AND EXPLOSION HAZARDS: Keep vapors away from possible ignition sources. EXTREMELY FLAMMABLE. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Material is capable of accumulating a static charge which could act as an ignition source. (see NFPA pamphlet 77, "Static Electricity")

FIRE-FIGHTING EQUIPMENT: Fire-fighters should wear full-faced mask, self-contained breathing apparatus which provides eye protection. Use full turnout suit.

#### UNUSUAL FIRE AND EXPLOSION HAZARD DATA

Emptied container may still contain residual vapors or liquid which may ignite or explode. Do not cut, puncture or weld on or near the container.

Keep container away from heat, sparks and open flame of any sort.

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## SECTION 5 - FIRE AND EXPLOSION HAZARD DATA (continued)

Benzene is prone to static electric build-up and discharge. Always bond and ground containers when transferring this chemical.

Containers may explode in a fire. Vapors may explode if ignited in an enclosed space.

# **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

#### ACTION TO TAKE FOR SPILLS

TOXIC HAZARD; FLAMMABLE LIQUID; FLAMMABLE VAPORS CAN SPREAD FROM SPILL. Eliminate all ignition sources. Ventilate the area. Isolate the hazard area (be prepared to evacuate unnecessary people at least 2000 feet if there is danger of exploding large containers). Notify Coast Guard and pollution authorities if spill will enter navigable waters.

Do not flush chemical into public sewer or water system. Stop leaks. Contain by diking, etc. Blanket large spills with foam to minimize fire hazard and reduce vaporization. Remove as much as possible. Soak-up large spill residue and small spills with inert absorbent. Place into closed labeled containers and store in a safe outdoor location to awalt proper disposal. Wash the spill area with soap and water to remove final traces. Personal protective equipment (including respiratory protection and clothing) should be utilized by persons performing this work.

#### DISPOSAL METHOD

HAZARDOUS WASTE (EPA Hazardous Waste Number: D001(Flammable Liquid)). Dispose of in a licensed hazardous waste disposal facility in accordance with all applicable Federal, State, and Local health and pollution laws and regulations.

# SECTION 7 - HANDLING AND STORAGE

#### **HANDLING**

Keep locked up or secured. Handle in fully grounded, properly designed, and approved equipment systems that are suitable for flammable liquids. Keep away from heat and ignition sources. Dissipate static electricity during transfer by grounding and bonding containers and equipment. Do not pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning. Do not breathe gas, fumes, vapor, or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested seek medical advice immediately. Avoid contact with skin and eyes, Keep away from incompatible materials such as oxidizing agents and acids. After handling, always wash hands thoroughly with soap and water.

#### STORAGE

Ground and bond shipping shipping container, transfer line, and receiving container. Keep away from heat, sparks, flame, and other sources of ignition. Protect containers against static electricity, lightning, and physical damage. Keep container tightly closed and in a well-ventilated place.

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# SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Inhalation LC50 Rat: 180g/m3/4H Inhalation LC50 Mouse: 139 g/m3/2H

XPOSURE GUIDELINES:		ACGIH	OSHA	
MATERIAL	CAS#	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PEL-TWA	
Benzene <sup>1,2,3,4,5,6</sup> Dermal LD50 Rabbit: >9400µ Oral LD50 Rat: 930 mg/kg. Inhalation LC50 Rat: 10,000 p		0.5 ppm (Skin) 2.5 ppm (STEL)	1 ppm ) 5 ppm (STEL)	
Toluene <sup>1,2,3,4,5,6</sup> Oral LD50 Rat: 636 mg/kg Inhalation LC50 Rat: 49g/m3, Dermal LD50 Rabbit: 14100	108-88-3 /4H µL/kg	50 ppm (Skin)	100 ppm 150 ppm (STEL)	
Styrene <sup>1,2,4,5,6</sup>	100-42-5	20 ppm(Skin) 40 ppm (STEL)	50 ppm 100 ppm (STEL)	
Oral LD50 Rat: 2650 mg/kg Inhalation LC50 Rat: 12g/m3	3/4H			
Xylenes <sup>1,2,4,5,6</sup> (M-,P- & o-)	1330-20-7	100 ppm 150 ppm (STE	100 ppm _)150 ppm (STEL)	
Dicyclopentadiene <sup>1,2,5,6</sup> Oral LD50 Rat: 353 mg/kg Inhalation LC50 Mouse: 145 Dermal LD50 Rabbit: 5080 n	77-73-6 mg/kg/4H ng/kg	5 ppm	5 ppm	
1,3-Butadiene <sup>1,2,3,4,5,6</sup>	106-99-0	2 ppm	1 ppm 5 ppm (STEL)	
Ethyl Benzene <sup>1,2,4,5,8</sup>	100-41-4	100 ppm 125 ppm (STE	100 ppm L) 125 ppm (STEL	)
1,3-Cyclopentadiene <sup>2,4,5,6</sup> Cyclopentadiene LD50 - N Cyclopentadiene LC50 (rat	.E.	75 ppm	75 ppm	
1,3-Pentadiene <sup>2,4,6</sup> Inhalation LC50 Mouse: 110 Inhalation LC50 Rat; 140 g/	504-60-9 00 mg/m3/2H m3/2H	N.E.	N.E.	
Isoprene	78-79-5			

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

Component	ACGIH	IARC	OSHA	NTP
Benzene	A1-Human Carcinogen	Carcinogenic to humans	Cercinogen	Known Carcinogen
Styrene		Possibly carcinogenic		
Isoprene		Possibly carcinogenic		Reasonably Anticipated Cardinogen
Ethylbenzene	Confirmed Animal Carcinogen	Possibly carcinogenic		
1,3-Butadlene	Suspected Human Carcinogen	Probably carcinogenic To humans	Carcinogen	Known Carcinogen

# Legislative Footnotes

- Ingredient listed on SARA Section 313 List of Toxic Chemicals.
- Ingredient listed on the Pennsylvania Hazardous Substances List.
- Ingredient listed on the California listing of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity.
- Ingredient listed on the Massachusetts Substance List.
- Workplace Hazardous Materials Information System ingredient found on the Ingredient Disclosure List - Canada.
- Ingredient listed on the New Jersey Right to Know Hazardous Substance List.

#### Notes:

TLV-TWA - Threshold Limit Value - Time Weighted Average for concentration of the chemical substance in the ambient workplace air. (The skin notation calls attention to the skin as an additional significant route of absorption of the listed chemical.) American Conference of Governmental Industrial Hygienists (ACGIH).

OSHA PEL - OSHA Permissible Exposure Limit, 8-hour TWA. 29CFR 1910.1028, Transitional Limits column, Table Z-1-A, Table Z-2 and Table Z-3.

STEL - Short Term Exposure Limit, 15 minutes

# SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Take necessary precautions to avoid thermal burns. Face shield, gloves, and organic vapor respirator advised when transferring and sampling. Have properly grounded system for all transfer and storage equipment to avoid development of a static charge.

# **VENTILATION**

Use only with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

# RESPIRATORY PROTECTION

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#### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive-pressure self-contained self-breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. In confined or poorly ventilated areas, use an approved positivepressure supplied-air respirator.

SKIN PROTECTION: Use protective, clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Remove contaminated clothing no later than the end of the work period and clean before reuse. Contaminated leather items, such as shoes, belts, and watchbands, should be removed and destroyed.

EYE PROTECTION: Use chemical goggles. If vapor exposure causes eye discomfort, use a fullface respirator.

Do not smoke or consume food or beverages in the work area. Wash thoroughly after handling the product.

# SECTION 9 - PHYSICAL DATA (Typical data, not specifications)

PHYSICAL STATE:

Liquid

**BOILING RANGE:** 

80.0-650°F, 26-343°C

**VAPOR PRESSURE:** 

Reid vapor pressure 6-13 max.

VAPOR DENSITY: SOLUBILITY IN WATER: (AIR=I): >1

SPECIFIC GRAVITY:

nealiaible

APPEARANCE:

0.73-0.89, 60/60F

Clear, slightly yellow to dark amber liquid

ODOR:

pungent, aromatic, highly irritating

## SECTION 10 - STABILITY AND REACTIVITY

# STABILITY (Conditions to Avoid)

Material similar to gasoline. It may be ignited under almost all temperatures. Keep away from heat, flames, and spark-producing equipment. Avoid high temperatures which may cause decomposition and large pressure increases.

#### INCOMPATIBILITY (Materials to Avoid)

Reacts with chlorine, ozone, perchloryl fluoride, liquid oxygen and other strong oxidizing agents such as hydrogen peroxide, permanganates and perchlorates. Depending upon the amount and specific materials involved, contact can result in intense heat, boiling, flame development, explosion or toxic gas generation. Spontaneous combustion may occur with sodium peroxide or potassium peroxide.

# HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, and small amounts of aromatic and aliphatic hydrocarboris.

HAZARDOUS POLYMERIZATION: Will not occur.

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# SECTION 11 - TOXICOLOGICAL INFORMATION

# SYSTEMIC AND OTHER EFFECTS

Signs and symptoms of excessive exposure may be central nervous system effects, neurologic signs and symptoms, irritation to upper respiratory tract, and may cause hemopoietic injury (damage to blood forming organs). Contains components which may cause lung, CNS, liver and kidney effects and which have caused hearing loss in laboratory animals and/or humans. Can cause blood disorders.

#### CANCER INFORMATION

Contains benzene, a carcinogen listed by IARC, NTP and OSHA. Benzene has been shown to cause cancer in laboratory animals and humans. Contains styrene, listed by IARC, and 1,3-butadiene, listed by IARC and NTP, as potential carcinogens. Contains naphthalene which has caused cancer in some laboratory animals.

# TERATOLOGY (Birth Defects)

Contains components which have caused toxicity to the fetus or birth defects in mice. 1, 3-butadiene was toxic to the fetus in laboratory animals at doses nontoxic to the mother.

# REPRODUCTIVE EFFECTS

In animal studies, benzene, styrene and toluene have been shown to affect reproductive capacity.

#### MUTAGENICITY (Effects on Genetic Material)

Contains a few components which have caused some mutagenic activity in vitro (test tube) tests and in animals. Results of isoprene in vitro mutagenicity tests have been negative. Isoprene has been shown to have mutagenic activity in animals.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Blood dyscrasias, dermatitis, asthma, and pulmonary disease.

# HAZARDOUS INGREDIENT SPECIFIC MEDICAL DATA (if ingredient found in "pure" form):

Benzene is a severe eye and moderate skin irritant. Human systemic effects by inhalation and ingestion are: euphoria, somnolence, changes in motor activity, nausea, vomiting, reduced number of blood platelets, other unspecified blood effects, dermatitis and fever. Benzene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity. Benzene is a human carcinogen which produces myeloid leukemia and lymphomas by inhalation. It is listed as an OSHA carcinogen, an ACGIH, NTP and IARC human carcinogen.

<u>Toluene</u> may cause central nervous system depression and is an ocular irritant. Inhalation and subcutaneous injections in high concentrations in rats caused high-frequency hearing loss. Toluene causes CNS narcosis; mild, transient irritation of the upper respiratory tract; hilarity; nausea; nasal discharge; drowsiness; ataxia; dizziness; cerebellar ataxia; cognitive dysfunction; metallic taste; loss of appetite; weakness; and palpitations. High concentrations are associated with CNS encephalopathy, headache, depression, and lassitude. Fetotoxicity appears at

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# SECTION 11 - TOXICOLOGICAL INFORMATION (continued)

levels associated with CNS narcosis and occurs perhaps only in those with chronic tolueneinduced kidney failure. Toluene does not result in the severe bone marrow depression that is characteristic of occupational benzene poisoning.

Styrene may cause central nervous system depression, headaches, fatigue, nausea, and dizziness. Sensory nerve condition reductions can occur of reduced peripheral nerve conduction velocity and sensory amplitude that slowed reaction time and changes in worker visual ability. Severe intoxication may cause encephalopathy and hepatitis.

Xylenes are eye and skin irritants. Chronic xylene exposure may cause CNS damage. Human systemic effects by inhalation are: olfactory changes, conjunctiva irritation and pulmonary changes. Xylene vapor is an irritant of the eyes, mucous membranes, and skin. It has caused narcosis at high concentrations. Liquid xylene is a skin irritant and causes erythema, dryness, and defatting. At high doses xylene has been reported to cause unconsciousness, transient hepatic and renal toxicity. Xylene has been shown to cause embryo/fetal toxicity and birth defects in laboratory animals, but only at doses which cause maternal toxicity.

Ethyl benzene is an irritant of the skin and mucous membranes and appears systemically to have acute and possibly chronic effects on the central nervous system (CNS).

Butadiene is irritating to the eyes and mucous membranes. Skin contact can result in burhs or frost bite (due to rapid vaporization). Human systemic effects by inhalation are: cough, hallucinations, distorted perceptions, changes in the visual field and other unspecified eye effects. Butadiene is listed as an ACGIH suspected human carcinogen, an NTP anticipated human carcinogen and an IARC possible carcinogen.

Cyclopentadiene May be irritating to the eyes and skin. It may also cause contact dermatitis and sensitization. Repeated exposure has produced CNS depression with terminal selzures, mild liver and kidney injury in experimental animals. Headache, abdominal pain, jaundice, and anemia may occur following chronic exposure.

Dicyclopentadiane Exposure may occur by inhalation with little absorption through the skin. Irritating to the eye and skin. Testing indicates material is not a skin sensitizer. It is toxic to the CNS. Product is highly toxic through ingestion, with possible effects including kidney and liver damage.

Isoprene Repeated exposure to isoprene may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.

# **SECTION 12 - ECOLOGICAL INFORMATION**

# General Material Information

Pygas has been evaluated under ACC's HPV Group 5 mixtures (High Benzene Naphthas). Major components are highly volatile and will partition rapidly to air. Product is largely insoluble in water. It is considered to have moderate toxicity to aquatic algae, freshwater fish and invertebrates, based on toxic disruption of biological membrane function. Product has likely low to moderate absorption into soil and sediment.

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# SECTION 12 - ECOLOGICAL INFORMATION (continued)

#### **Mobility**

No information available for the product as a tested mixture.

Benzene migrates in sols and in ground waters. Its alrborne levels can be reduced by rain or water spray. Dicyclopentadiene is less mobile and may be less accessible to ground water than benzene and toluene components. DCPD has high affinity for soil adsorption. Xylene will be scavenged by rain. From the surface of water, half of the amount of xylene will be volatized within 2 to 5.5 days.

# Persistence/Degradability

Based on major components, these mixtures are expected to have significant biodegradation over a broad range of environmental conditions (natural attenuation). Benzene in air will photo-degrade with a calculated half-life of 13.4 days. This is accelerated in polluted atmospheres containing nitrogen or sulfur oxides. By products include phenol, nitrophenols, nitrobenzene, formic acid and peroxyacetyl nitrate. Benzene will biodegrade in soils and ground waters (half-life 16-28 days) under aerobic conditions. Limited degradation found under anaerobic conditions. Sewage treatment plants have been shown to remove 44-100%. DCPD in air will photo-degrade, with estimated half-life of 1-3 hours. DCPD in surface waters will volatize in 3-4 hours, with some possible adsorption into suspended matter or sediment. This will degrade depending on temperature and water conditions in an estimated 80 days. DCPD biodegrades very slowly in ground waters or soils. Estimated half-life in soils is 4-7 years. When released into the air, xylene may degrade in air by reaction with photochemically produced hydroxyl radicals.

#### Bioaccumulation/Accumulation

No information available for the product as a tested mixture. Based on major components significant bioaccumulation is not expected to occur.

#### **SECTION 13 - DISPOSAL INFORMATION**

#### Waste Disposal Methods

Dispose of only in accordance with local, state, and federal regulations. Land disposal of this product is restricted. Do not contaminate any lakes, streams, ponds, groundwater, or soil. This product has the RCRA classification of benzene toxicity and ignitability. If discarded in its present form, it would have the hazardous waste numbers D018 and D001 respectively. Under RCRA, it is the responsibility of the user of the product to determine at time of disposal, whether the product meets criteria for hazardous waster since the products uses, transformations, mixtures, processes, etc. may change the classification.

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

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**PAGE 12 OF 14** 

#### SECTION 14 - TRANSPORT INFORMATION

DOT basic descriptions can vary based on package quantity and may not coincide with international description requirements. Consult the Hazardous Materials Regulations in 49CFR and the appropriate Dangerous Goods Regulations to confirm description applicability to specific shipments.

# Dot (USA)

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, II Label required: Flammable liquid

## Sea - IMDG

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, Il Label required: Flammable liquid

#### Air - ICAO

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, Il Label required: Flammable liquid

#### TDG (Canada)

Shipping Name:

Hydrocarbons liquid, N.O.S. (benzene, toluene, xylenes, dicyclopentadiene), 3, UN3295, I Label required: Flammable liquid

# SECTION 15 – REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.)

#### NOTICE:

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS Sheet for health and safety information.

#### U.S. REGULATIONS

SARA 302/304 Extremely Hazardous Substances

CHEMICAL NAME	CAS NUMBER	CONCENTRATION	
			===
Vinyl acetate	108-05-4	<0.5%	İ

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**PAGE 13 DF 14** 

# SECTION 15 - REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.) (continued)

SARA 313 INFORMATION: Toxic Chemical

CHEMICAL NAME	CAS NUMBER	CONCENTRATION	
			===
BENZENE	000071-43-2	12 - 69 %	1
ETHYLBENZENE	000100-41 <del>-4</del>	0.5 - 3.5 %	
STYRENE	000100-42-5	1.0 -6.0 %	
1,3-BUTADIENE	000106-99-0	0.0 - 4.9 %	
TOLUENE	000108-88-3	2 - 19 %	
XYLENE (MIXED ISOMERS)	001330-20-7	0.5 - 2.6 %	1
DICYCLOPENTADIENE	000077-73-6	10 - 24 %	
NAPHTHALENE	000106-99-0	0 -1.3 %	1

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard

## OTHER NOTES: CERCLA HAZARDOUS SUBSTANCE:

Component	CERCLA RO
Benzene	10 lbs
Xylene	100 ibs
Toluene	1000 lbs
Hexane	5000 lbs
Styrene	1000 lbs
1,3-Pentadiene	100 lbs
Isoprene	100 lbs
Ethylbenzene	1000 lbs
1,3-Butadiene	10 lbs
Naphthalene	100 lbs

#### INTERNATIONAL REGULATIONS

WHMIS (Canada) Classification

Class B, Division 2: Flammable liquid

Class D, Division 2, Subdivision B: Toxic material Class D, Division 2, Subdivision A: Very toxic material

P. 15

**TEXAS AROMATICS, LP** 

MSDS 101-1

PAGE 14 OF 14

# **SECTION 16 - OTHER INFORMATION**

## NOTICE

The data and recommendations presented herein are based upon data which is considered to be accurate. However, Texas Aromatics, LP makes no guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data recommendations. Where the information provided herein discloses a potential hazard or hazardous ingredient, adequate warning should be provided to employees and users and appropriate precautions taken including the practice of good industrial hygiene.

Houston Manine serviced 391
Profile # 1531

EPAHO112000691

Lau

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# **Waste Pre-Acceptance/Approval Letter**

Date 4/26/2006

Dear John Sminchak

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1531

Generator: Houston Marine Services

**Address:** 850 S. Lynchburg Rd

Baytown, TX 77520

# Waste Information

Name of Waste: DAF Reclaim TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Sludge removed from dissolved air flotation of oil and grease from incoming waste stream

Color: Black

**Odor:** Petroleum type

**pH:** 7-8

**Physical State:** 

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Gloves and Goggles

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900 SECTION 1: Generator Information

	7 11 (OT 2112 OF THICKING )						
Company:	Houston Marine S						
Address:	850 S. Lynchburg						
City, State, Zip:	Baytown, Texas 7	7520				<del>.</del>	
Contact:	John Sminchak			_ Títle:		nental Operations M	anager
Phone No:	281-424-2525			_ Fax No:	281-838-	-1318	<del></del>
24/hr Phone:	281-424-2525			_			
U.S. EPA I.D. No:	TXR000024570			_			
State I.D.	38185			SIC Code:	NA		
SECTION 2: Billin Company: Address: City, State, Zip:	Σ Information – ⊠	Same as Above					
Contact:			Title:				
Phone No:			Fax No:				
Name of Waste: Detailed Description  From In Camins  Physical State:	AF Reclaim of Process Genera waite Streem Liquid Solid	ting Waste: <u>S/v</u> Sludge  Filter Ca	Ļ	Powder Combinatio		) Air Flutation	of oil #grase
Color: <u>R/Ac</u> K Specific Gravity (wa	_	Odor: <u>Perc</u> ale Density: <u>8-</u>	oun Type				
Layers:	Single-phase	☐ Mu	lti-phase				
Container Type: Container Size:	Drum	Tote	尽	Truck 5,000 5440	)h	Other (explain)	
Frequency: Number of Units (co		Monthly Ot	her:	Quarterly		<b>Y</b> early	
Texas State Waste C	oue No:	744787	Recycle	bleash t	hydrocarh	on & Water	Mixture
Proper U.S. DOT S		٨		pp licable	•		
Class: NA	UN/N	IA: NA		PG:	VA	RQ:	'A
Flash Point	рН 7-8	Reactive Sulfi	des	Reactive C		Solids	
7 140		O mg/l	<del></del>	Omg/l		15 %	
Oil&Grease	TOC	Zinc	_ [	Copper	Ni	ckel	1
<u>20 mg/l</u>	() mg/l		/ <u>}</u>	O mg/i	i	O me/l	

# SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	or %	
Water	70 - 80	%	
SoliDs (Dut & Cand)	10-15	140	
011 * Greave from bilger off Barger	10-20	0/0	
and Chief			
, J		<u> </u>	

SECTI	ANI	z.	Cafet.	Dalaka	d Dasa
ひむし ロ	UN	Э:	Safety	Kelate	ย บลเล

If the handling of this waste requires the use of special protective equipment, please explain.

Gloves & gragges

# **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

# **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

NA

## SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

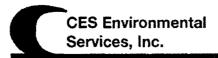
TCLP Metals:	V	1	,
TCLP Volatiles:	~	)	1.114
TCLP Semi-Volatiles:		4	Rocydoble
Reactivity:		3	. • /
Corrosivity:		1	
Ignitability:		1	

# SECTION 9: Generator's Certification

The information contained herein is based on generator knowledge and/on analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document,

Authorized Signature:	U. Am	·	Date: 4/13/06
Printed Name/Title:		HMSET OPERATIONS	Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Reblandlage	Additional Information:
Date: 4-25-06 Approved Rejected	056
Approval Number: 153	



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Information			
Company:	Houston Marine S	ervice, Inc		
Address:	850 S. Lynchburg	RD	·	
City, State, Zip:	Baytown, Texas 7		***************************************	
Contact:	John Sminchak		Title:	Environmental Operations Manager
Phone No:	281-424-2525		Fax No:	281-838-1318
24/hr Phone:	281-424-2525			
U.S. EPA I.D. No:	TXR000024570		•	
State I.D.	38185		SIC Code:	
Court 11271	~ U I V-/		- Die Coue.	
SECTION 2: Billing	Information 🖂 (	Cama as Ahana		
	information - 🚫 :	Same as Above		
Company:			······································	
******				
City, State, Zip:		201.2	·	
Contact:		Title:		
Phone No:		Fax No:	A.,	
SECTION 3: Genera	al Description of the	e Waste		
*				
Name of Waste: <u>DA</u>	E Revlaim		. 0	dissolved Air Flutation of oil 490000
<b>Detailed Description</b>	of Process Generat	ing Waste: <u>≥/υβ</u> γε Κεζου	ertel Mom p	Xissolvico Air rainman or virtyimic
From incoming	Warte Streem.			
Physical State:	☐ Liquid	⊠ Sludge	Powder	
	☐ Solid	☐ Filter Cake ☐	Combination	n
Color: Black	(	Odor: Petroleum Type		
	`	7//2		
Charita Cuarity Invat		Dancitus & 9 Ibalan		
Specific Gravity (wat	er=1);	Density: 8-7 lbs/gal		
	<del>*</del>			
Layers:				
Container Type:	☐ Drum	☐ Tote 🔯	Truck	Other (explain)
Container Size:		*	5,000 9940	· ·*
COMMENTED SIEVE	- <del>111111   1111111   111111</del>	Name of the control o		2) Xaaaamanaa ka ka ka ka ka ka ka ka ka ka ka ka k
Frequency:	Weekly	☐ Monthly ☐	Quarterly	☐ Yearly
Number of Units (con	ntainers): /	Other:		•
Texas State Waste Co	odo Nos			
i exas state waste Ct	οαε 140: <u>Ορ</u>	144841		
Proper U.S. DOT Shi	ipping Name:			
Classic	2 1341/547	* -	PG:	*> / \
Class:	UN/N	A:	rG:	RQ:
			<del></del>	AND AND AND AND AND AND AND AND AND AND
773 2 2			Tn ~	
Flash Point	<b>pH</b> 7-8	Reactive Sulfides	Reactive C	
2/40		mg/l		
Oil&Grease	TOC		Copper	Nickel
<u>∄                                    </u>	mg/l	mg/l	<u> </u>	( <u></u>

# SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %
Water	70 - 80	%
Solids	10-15	40
Oil & Greene	10-20	9/0

The waste consists of the following materials	Ranges are acceptable	or %
Worer	70 - 80	1%
Solos	10-15	40
Oil + (mease	10-20	9/0
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protective equ	inment, please explain	
Gloves & Geogles	irpinone, prouse expans.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this form	as part of the waste approval packa	ge.
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, listed bel generator knowledge:	ow, WAS NOT PERFORMED base	ed upon the following
TCLP Metals: TCLP Volatiles:  TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:		
SECTION 9: Generator's Certification		
The information contained herein is based on $\square$ generator knowledge a attached description is complete and accurate to the best of my know omissions of composition properties exist and that all known or suspect tested are representative of all materials described by this document.	ledge and ability to determine that	no deliberate or willful
Authorized Signature: Jole U. A.	Date: 4/13/06	
Printed Name/Title: John Sminehak HMSET C	Operations Menager	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer: Add	litianal Information	***************************************

Printed Name/Title:	<u>Vohn Smine</u>	<u> 465 - 11173</u>	187 Operations Manager	
CES USE ONLY (DO NOT W	RITE IN THIS SPACE)	***************************************		
Compliance Officer:			Additional Information:	
Date:	Approved	Rejected	Approprie to the transfer of the first transfer to the first transfer to the first transfer to the first transfer transfer to the first transfer transfer transfer to the first transfer transfe	
Approval Number:				

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? X YES NO
lf	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Met	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	unics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
님	Wastewater from organic chemical product operations  Tank clean-out from organic, non-petroleum sources

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L.
Chromium: 8.9 mg/L.
Copper: 4.9 mg/L.
Nickel: 37.5 mg/L.
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
Metals Subcategory

#### **SECTION 11: Additional Instructions**

Oils Subcategory

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Lisa Gilbreath

Houston Marine Services, Inc. 850 S. Lynchburg Road Baytown TX 77520

# Certificate of Analysis

Number: 1030-2007090450-001A **HOUSTON LABORATORIES** 

8820 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 PHONE (713) 660-0901

October 16, 2007

Sample ID:

Project Name:

Project Number:

**Project Location:** Sample Point:

Daf Reclaim/ Oil Mixture

Sampled By:

Sample Of:

Sample Date:

Sample Condition:

PO / Ref. No:

Oily Sludge 09/25/2007

12:30

# **ANALYTICAL DATA**

Test	Method	Result	Unit	Detection Limit	Lab Tech.	Date Analyzed
Total Organic Halogens		35.1 pr		5ppm		10-1-07

Comments:

Sample On: 09/25/2007 12:30

Hydrocarbon Laboratory Manager

COMPANY NAME: (BILL TO:) HOUSTON	Marihe.	Serv	ice		]	MI	ES	•	- (	CHAI	V OF	CUST	ODY	1-800-771-4MES (281) 476-4534
CITY ROUTOWH	Thekho	IS KY	740	77520		<b>Merci</b> 1913 H	ury E wy. 226	noir • De	onm er Par	enta k, TX	l Ser 77536	vices	}	Fax (281)-476-4406
CONTACT PERSONS NAME: Ralph 3	enkins					P.	ARAME	TERS	FOR A	nalys	8			REMARKS
CONTACT PERSONS PHONE: \$32-392	7002			32-1312	- 17		_/							RUSA
YOUR PROJECT NO.: YOUR P.O. W: PROJECT ADDRESS:	Incom		aste	Stream	ار الم	$\mathcal{N}_{\mathfrak{c}}$	$\mathbb{Y}_{-}$					NUMBER OF COM	PRESENTANCE .	DETECTION LIMITS SPECIAL LIMITS REQUIRED
		<u> </u>			ewlet	/V	1	/	/	/				Yes No Please circle one, if Yes,
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX Water	+~	-						~	-	or include separate
Water/Sludge#1		11-15-06	1000	Slu	41									शास्त्र detailing requirements.
Water from Studge 2		11-15-06	1000	water	X	X								
							1							
3	<b> </b>				+-	<del>                                     </del>	+		<del> </del>		<del> </del> -	-		
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FERSON TAKING ISAMPLE SIGNATURE (S Print Name of Raiph Jenking		2	To be	~~>) (SA)	LINGUISHE nature)			· I		17	Īō	TIME O.	30X"	CERVED BY:  CADA C BOOK
PATE (Sportbers) BY: (Sportbers) DATE	IGU'C	RECIPIVED (NO.)	~~ \ <b>~</b> \	Mhh	LINQUISHE preture)	D 8Y:				DA		TIME	F4 (19	ECEIVED BY: Ignature)
	ED 64: une)			COURIER (Signature)					and Visit	W	VO.	ul	m	- 116 1100
Sample Remainder Disposal  S  Di Return Sample Remainder To Client Via	**			į	Requesi	Lab To	Dispose	OI ATI 8	Semple	Remain	ders		(Dale)	

6110364 - 6110365

#### MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE		MB mg/L		STD %REC		ORIG mg/L		DUP mg/L	RPD
Total Organic	: Halogens	< 0.010	}	93.7		< 0.010	)	< 0.010	0.00
ANALYTE	MB mg/L	MS %REC	MSD %REC	MS RPD	CCV %REC	ORIG	DUP	DUP RPD	
COD	< 3	98	94	4.17	96	37	36	2.74	

# Key to QA Abbreviations

MS=Matrix Spike MSD=Matrix Spike Duplicate RPD=Relative Percent Deviation MB=Method Blank LCS=Laboratory Control Standard CCV=Continuing Calibration Verification CCB=Continuing Calibration Blank %Rec=Percent Recovery

Signature:

Holland D. Gilmore / Laboratory Director

December 5, 2006

- Mercury Environmental Services, Inc. -

Mercury Environmental Services, Inc.

Phone: (281)-476-4534 Fax: (281)-476-4496

**Houston Marine Services Inc.** 

850 South Lynchburg Rd. Baytown, TX 77520

Phone: (281) 838-1067

(281) 838-1318

Attn: Ralph Jenkins

- CERTIFICATE OF RESULTS -

MES Lab#:

6110365

Client Sample ID: Extended ID:

Water From Sludge #2 incoming Waste Stream

Sample Collect Date: 11/15/2006 @ 10:00:00 AM

Sample Receipt Date: 11/15/2006 @ 11:00:00 AM

Test Group / Method

Total Organic Halogens Method: SW-846 9020	MDL	Result	Units	Analyst: HDG Date / Time
Total Organic Halogens	0.100	< 0.100	mg/L	11/30/2006 / 7:48 PM
COD (Colorimetry) Method; Hach 8000	MDL_	Result	Units	Analyst; ASB Date / Time
Chemical Oxygen Demand	3	124	ma/L	11/16/2006 / 10:38 AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Tuesday, December 05, 2006

Date

Report Date: 05-Dec-06

Page 1 of 1

P. 2

# Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**Houston Marine Services Inc** 

850 South Lynchburg Rd. Baytown, TX 77520

Phone: (281) 838-1067

Fax; (281) 838-1318

Attn:

Ralph Jenkins

- CERTIFICATE OF RESULTS -

MES Lab#;

6110364

Client Sample ID: Extended ID:

Water / Sludge #1 Incoming Waste Stream

Sample Collect Date: 11/15/2006 @ 10:00:00 AM

Sample Receipt Date: 11/15/2006 @ 11:00:00 AM

Test Group / Method

Total Organic Halogens Analyst: HDG Method: SW-846 9020 MDL Units Date / Time Result 0.010 11/30/2006 / 7:48 PM Total Organic Halogens < 0.010 mg/L

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

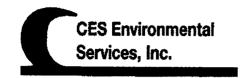
Holland D. Gilmore, Laboratory Director

Tuesday, December 05, 2006

**Date** 

Report Date: 05-Dec-06

Page 1 of 1



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Waste Profile Re-Certification Form**

CES Waste Approval #:	HOU-1531					
Customer:	Houston Marine Services /TransMontinge					
Waste Generator:	Houston Marine Services /TransMontinge					
Waste Stream Name:	AF Reclaim					
Expiration Date:	4/25/2009					
profiles on an annual basis.	lan, CES Environmental Services, Inc. requires recertification of all approved waste The purpose of this form is to confirm that no changes have been made in the forementioned waste stream and that the waste stream remains classified as non-51.3.					
<del>-</del>	hat the components in the aforementioned waste stream and the process generating e same as when issued the aforementioned CES Waste Approval Number: (Check					
No changes, please recei	Recyclable rtify.   Recyclable Analysis is NOT required for recertification.					
O Please send new profile has changed.	The following analysis is required for recertification.  Please sumbit results of the following tests.					
Customer Name	O TCLP Metals O TCLP Volatiles O TCLP Semi-volatiles O Reactivity					
Signature  Phoenix Tellurien Conract  Company / Title	O Corrosivity O Ignitability					
06/05/09 Date	·					

Vetro Giray (Jack de 1873) Protik # 1539

Lau



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 4/30/2006

Dear Tim Grebe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile #

Generator: Vetco Gray (Jackrabbit Road)

1539

Address: 8909 Jackrabbit Road

Houston, TX 77095

# **Waste Information**

Name of Waste: Recyclable Unused Oils

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Unused Oil

Color: Varies

**Odor:** Oily

pH: na

**Physical State:** 

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

e. (/13) 0/0-1400

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

<b>SECTION 1: General</b>	ator Information								
Company:	Vetco Gray Controls, Inc.								
Address:	8909 Jackrabbit Rd								
City, State, Zip:	Houston, TX 77095	5							
Contact:	Tim Grebe		Title:						
Phone No:	281-855-3200		- Fax No:	281-855-0973					
24/hr Phone:	281-656-3154								
U.S. EPA I.D. No:	Na		_	. 1 .					
State I.D.	Na		SIC Code:	NIA					
State 1.D.			_ 510 0000.	7 ( )					
SECTION 2: Billing Company: Address:	Information – 🛛 S	ame as Above							
City, State, Zip:									
Contact:		Title:							
Phone No:		Fax No:							
SECTION 3: General	al Description of the	Waste							
Name of Waste: Rec Detailed Description		ng Waste: <u>Unused Oil</u>							
Physical State:	<ul><li>☑ Liquid</li><li>☐ Solid</li></ul>	☐ Sludge [☐ Filter Cake [	Powder Combination	n					
Color: Varies	О	<b>dor:</b> <u>oily</u>							
Specific Gravity (wat	ter=1): <u>.9-1</u>	Density: 7-9 lbs/gal							
Layers:	Single-phase	☐ Multi-phase							
Container Type: Container Size:	☑ Drum 55 g	Tote	Truck	Other (explain)					
Frequency: Number of Units (cor Texas State Waste Co		Monthly Cother:	] Quarterly	☐ Yearly					
Proper U.S. DOT Shi	ipping Name:	Recyclable Unused C	Dil						
				de po					
Class: $\mathcal{N}/\mathcal{A}$	UN/NA	NA	PG:	1/A RQ: N/4					
				7-1					
	77	TD 4' C 1#'3	D						
Flash Point		Reactive Sulfides	Reactive C						
>200	<u>Na</u>	Omg/l	<u>0</u> mg/l	0%					
Oil&Grease	TOC	Zinc	Copper	Nickel					
<u>Na</u> mg/I	<u>Na</u> mg/I	<u>Na</u> mg/I	Namg/I	Namg/I					

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
EOS Insulating Oil	0-100	%
Castrol-10W-40	0-100	%
Castrol SAE30	0-100	%
		-

#### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Level D PPE

## **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. <u>MSDS</u>

#### **SECTION 7:** Incompatibilities

Please list all incompatibilities (if any):

None Oxidizers

# **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	$\underline{\mathbf{X}}$
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	X

# **SECTION 9: Generator's Certification**

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\square$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: No Signature Required Date: 04	1/28/06
Printed Name/Title: Tim Grebe/HSE Manager	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Polyabellog A Additional Information:	
Date: 5-1-06 Approved Rejected Rejected	<u>-</u> C
Approval Number: 1539	<u> </u>

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	his material a wastewater or wastewater sludge?   YES  NO
If'	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	Is Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Organ</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the w	raste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		raste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess ralues listed below, the waste should be classified in the metals subcategory.
	Chromi Copper	m: 0.2 mg/L um: 8.9 mg/L : 4.9 mg/L
(3)		raste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
	ØØ	Oils Subcategory

# **SECTION 11: Additional Instructions**

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# **MATERIAL SAFETY DATA SHEET**

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name:

Unused Insulating Oil

Code 2512-UK

BS148: 1998

Application:

Transformer Oil

Company:

**Electrical Oil Services Limited** 

Address:

PO BOX 79, Bridges Road, Stanlow Works,

Ellesmere Port, Cheshire CH65 4WD

Telephone:

0845 602 1003

Fax: 0845 602 1004

#### 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Highly refined mineral oil

None of the ingredients of this product are classified as hazardous.

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances or ELINCS (European List of Notified Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits

# 3: HAZARDS IDENTIFICATION

This product is NOT classified as hazardous.

# 4: FIRST AID MEASURES

Eyes:

Irrigate immediately with copious quantities of water for several minutes.

Skin:

Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.

Inhalation:

Remove from exposure.

Ingestion:

Obtain medical attention. DO NOT induce vomiting

Issue No: 01 Revision Date: 01/11/2002

Code: 2512-UK

Page 1 of 4

# 5: FIRE FIGHTING MEASURES

Suitable Extinguishing media:

Carbon dioxide, powder, foam or water fog - do not use water jets.

Special Exposure Hazards:

None. -

Special Protective Equipment:

None.

#### **6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions:

Spilt product presents a significant slip hazard.

Environmental Precautions:

Prevent entry into drains, sewers and water courses.

Decontamination Procedures:

Soak up with inert absorbent or contain and remove by best

available means.

#### 7: HANDLING AND STORAGE

Handling:

To avoid the possibility of skin disorders, repeated or prolonged contact with products

of this type must be avoided. It is essential to maintain a high standard of personal

hygiene.

Storage:

No special precautions.

# 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limits:-

Substance

8 Hr.TWA

STEL

Source/Other Information

Mineral oil (see Oil mist, mineral)

5mg/m<sup>3</sup>

10 mg/m<sup>3</sup>

EH40 (OES)

Engineering Control Measures: Mechanical methods to minimise exposure must take precedence over personal protective measures.

Personal protective Equipment: Avoid skin and eye contact. Wear impervious gloves (e.g. of PVC), in case of repeated or prolonged contact.

Change contaminated clothing immediately and clean before re-use.

# 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Liquid

Colour:

Clear

Odour:

Mild

Boiling Point/Range (°C):

Above 250 Below minus 30

Pour Point (°C): Kinematic Viscosity @ 40 °C (cSt):

16

Flash Point (closed °C):

Above 130

Autoignition (°C)

Above 250

Explosive Properties (%):

Explosive limit range (%): Approximately 0.6 - 10 Below 0.1

Vapour Pressure (kPa at 20°C) Relative Density (at 20°C)

Below 1.0 Insoluble

Water Solubility: Fat Solubility:

Not determined

Issue No: 01 Revision Date: 01/11/2002 Code: 2512-UK Page 2 of 4

# 10: STABILITY AND REACTIVITY

Stability:

Stable, will not polymerise

Conditions to Avoid:

Temperatures (°C) above 90

-Materials to Avoid:

Strong oxidising agents-

Hazardous Decomposition Products:

Irritant fumes

### 11:TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Expected oral LD<sub>50</sub> rat >2g/kg.

#### **Health Effects:**

On Eves:

May cause transient irritation

On Skin:

Unlikely to cause harm on brief or occasional contact

By Inhalation:

Mist and vapours may cause irritation to nose and respiratory tract

By Ingestion:

May cause nausea, vomiting and diarrhoea

Chronic:

Repeated and prolonged skin contact may lead to skin disorders

Other:

None known

#### 12: ECOLOGICAL INFORMATION

**Environmental Assessment:** 

When used and disposed of as intended, no adverse environmental

effects are foreseen.

Mobility:

Non-volatile. Mobile liquid. Insoluble in water. Inherently biodegradable.

Persistence and Degradability:

Bio-accumulative Potential:

Bio-accumulation is unlikely to be significant because of the low

solubility of this product.

Water:

Ecotoxicity:

Not expected to be toxic to aquatic organisms. Not expected to be inhibitory to sewage bacteria.

# 13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused product:

May be sent for reclamation.

Used/Contaminated Product:

Dispose of through an authorised waste contractor to a licensed site.

May be incinerated.

Packaging:

Must be disposed of through an authorised waste contractor.

May be steam cleaned and recycled.

#### 14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

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Code: 2512-UK

Page 3 of 4

#### 15: REGULATORY INFORMATION

This product is NOT classified as dangerous for supply in the UK.

Classified according to European directives on classification of hazardous substances and preparations. Not classified as hazardous. No statutory label required.

Hazard Label Data:

S-phrase

\$60: This material and/or its container must be disposed of as a hazardous waste.

EC Directives:

Waste Oil Directive, 87/101/EEC

Framework Waste directive, 91/156/EEC

Statutory Instruments:

Health & Safety at Work, etc. Act 1974

Consumer Protection Act 1987

Environmental protection Act 1990

Codes of Practice: Guidance Notes: Waste management. The Duty of Care Occupational exposure limits (EH40) Carcinogenicity of mineral oils (EH58)

Skin cancer caused by oil [MS(B)5].

Save your skin! - Occupational Contact Dermatitis [MS9B)6].

Dermatitis - cautionary notice [SHW 367]. Effects of mineral oil on the skin [SHW 397].

The above publications are available from HMSO or HSE.

#### **16: OTHER INFORMATION**

Since the previous issue the following sections have been amended: 1,9, 10, 12, 15 & 16.

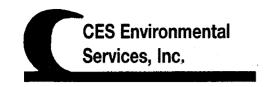
The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

Further copies of this Safety Data Sheet may be obtained from Electrical Oil Services Limited.

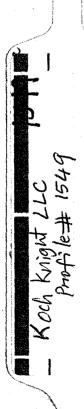
Issue No: 01 Revision Date: 01/11/2002 Code: 2512-UK Page 4 of 4



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Waste Profile Re-Certification Form**

CES Waste Approval #:	<u>1539</u>							
Customer:	Drilling Contro	<u>ols</u>						
Waste Generator:	Drilling Controls							
Waste Stream Name:	Recyclable Un	used Oils						
Expiration Date:	<u>5/1/2008</u>							
waste profiles on an annual the generation process of th hazardous as per 40 CFR 20 Generator hereby certifies t	basis. The purpose he aforementioned with the components	ental Services, Inc. requires recertification of all approved of this form is to confirm that no changes have been made in vaste stream and that the waste stream remains classified as non in the aforementioned waste stream and the process generating and the aforementioned CES Waste Approval Number: (Check						
Appropriate Box)								
☐ No changes, please rece	rtify.	Analysis is NOT required for recertification.						
☐ Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.						
Customer Name		<ul> <li>□ TCLP Metals</li> <li>□ TCLP Volatiles</li> <li>□ TCLP Semi-volatiles</li> <li>□ Reactivity</li> </ul>						
Signature		☐ Corrosivity ☐ Ignitability						
Company / Title								
Date								



# ENVIRON EXPRESS LABORATORIES 401 N. 11TH STREET LA PORTE, TEXAS 77571 281/471-0951 281/471-5821 FAX

# **FACSIMILE COVER**

COMPANY: CES	
PLEASE DIRECT FOLLOWING PAGE(S) TO: Clark Hickman	·
PAGES INCLUDING COVER LETTER: 3	

FAX: 281.488.3359

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this message in error, please notify us immediately by telephone and return the original message to us at the above address via postal service, at our expense.



## ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St. La Porte, TX 77571 281.471.0951 FAX:281.471.5821

**CERTIFICATE OF ANALYSIS NO:** 

60581.01

10f 1

Customer: CES Env. Svcs.

Sample ID: T-224

Environ ID: 60581.01

Project ID: T-224

Methanol

Sampled: 05-17-06

Project Loc: Charge/P.O.: Matrix: Liquid

Received: 05-25-06

Reported: 05-30-06

Type: RECEIVED BASIS

ANALYTE/ PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
FLASH ignitability MISCELLANEOUS	110	٥F	> 140	- -	SW846.1010		05-30-06	13:30
Ash	256	mg/kg		- 1	ASTM D482	η	05-30-06	14:00

Definitions:

REG - Regulatory Limit (User Should Confirm Limits) su - Standard Units

MQL - Method Quantitation Limit

PPM - Parts Per Million

mg/kg - PPM by Weight, mg/l - PPM by Volume

John Keller, Ph.D **Laboratory Director** 

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	apier (Sign):	A.			(C)OMP / (G)RAB	5	<b>9</b> 2			S	S	RCRA 8 METALS	7	14											
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L Roll	han of camelan	P:Plastic G:Glass V:VOA Glass O	:Other	Cat-	ad ata					1:10	:e(<4°(	C) <b>2</b> :	HCL :	<b>3</b> :H2S	04 4	HNO	e <b>se</b> i 3 <b>5</b> :N	vati laOH	ve K 6:Ne	iOH+Zn	Acetat	e 7:Na2	S2O3 <b>8</b> :	None	



# Waste Pre-Acceptance/Approval Letter

Date 5/4/2006

Dear Robert Strong

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1549

Generator: Koch Knight LLC

Address: 6603 West Bay Road

Baytown, TX 77520

# Waste Information

Name of Waste: Non-RCRA Wastewater

TCEQ Waste Code #: CESQ1192

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Water used to cool machinery that cuts ceramic bricks (see MSDS sheets)

Color: Black

Odor: None

**pH:** 4-9

**Physical State:** 

Incompatibilities: None

Safety Related Data/Special Handling:

Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 **ISWR No: 30900** 

SECTION 1: Gener	rator Information			# ·	
Company:	Koch Knight LLC	· <del></del>			·
Address:	6603 West Bay Ro				·
City, State, Zip:	Baytown, TX 7752	20			
Contact:	Mckenzie		Title:	Management	<del> </del>
Phone No:	281-573-4880		Fax No:	281-573-4937	
24/hr Phone:	281-573-4937 TYCESOC				
U.S. EPA I.D. No: State I.D.	TXCESQG CESQG		SIC Code:	alla	
State I.D.	CESQU		SIC Coue.	/ V/4+	
SECTION 2: Billing Company:	g Information – 🛛 S	Same as Above			
City, State, Zip:			· · · · · · · · · · · · · · · · · · ·		
Contact:		Title:		<u></u>	
Phone No:		Fax N	o:		
SECTION 3: Gener	ral Description of the	e Waste			
Name of Waste: No Detailed Description			to cool machinery th	nat cuts ceramic bricks (See MS	SDS Sheets
Physical State:	∠ Liquid	Sludge	Powder		
<b>v</b>	☐ Solid	Filter Cake	Combinatio	n	
	Soile				
Color: Black	(	Odor: None			
S-saifia Chavity (wa	.4	Donaitus 8 2 lbs/gal			
Specific Gravity (wa	iter=1): <u>1</u>	<b>Density:</b> 8.3 lbs/gal			
Layers:	Single-phase	Multi-phas	se		
Container Type:	☐ Drum	☐ Tote		Other (explain)	
Container Size:			<u>1-3000</u>		
Container Size.		<del></del>	1.000		
Frequency:	☐ Weekly	☐ Monthly	Quarterly	☐ Yearly	
Number of Units (co		Other:			
Texas State Waste C	Code No: CF	ESQ1192			
Proper U.S. DOT Sh	nipping Name:	Non-RCRA, Non	DOT Regulated Wa	aste Water	
Class: Na	UN/N	A: Na	PG: Na	RQ: N	a
		· · · · · · · · · · · · · · · · · · ·			
Flash Point	pH	Reactive Sulfides	Reactive C	yanides Solids	
>200	4-9	Omg/l	0mg/l	1-3%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
<100mg/l	NAma/I	Oma/I	Oma/I	Oma/I	

# SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	97-99.5	%
Brick Dust	.5-3	%
		<u> </u>

#### SECTION 5; Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level DPPE

# SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or unalysis attached to this form as part of the waste approval package. MSDS Sheets

## SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None

#### SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	<u>X</u>

# SECTION 9: Generator's Certification

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\square$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Mkuly Smith 15- Printed Name/Title: SAFefy Manaber	Date: <u>Q6-03-08</u>
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Pable Ilay  Date: 5-3-06 Approved Rejected  Approval Number: 1549	Additional Information:

<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES   NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
<u>Mei</u>	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Org</u>	anics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from point weekes
	Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	II the	waste contains on and grease at or in excess of 100 mg/L, the waste should be classified in the ons subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L – – – – – – – – – – – – – – – – – – –
(3)	If the v	waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
	$\boxtimes$	Organics Subcategory

# **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# **MATERIAL SAFETY DATA SHEET**

# 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME

**CERAMIC PRODUCTS** 

TRADE NAME(S)

KNIGHTWARE® INTERNALS, KNIGHTWARE® LESSING RINGS.

KNIGHTWARE® BRICK, KNIGHTWARE® CROSS PARTITION RINGS.

KNIGHTWARE® NEUTRALIZING SUMPS, CERAMIC BARS,

CERAMIC RASCHIG RINGS, FLEXISADDLE™ TOWER PACKING, FLEXERAMIC® CERAMIC STRUCTURED

**PACKING** 

CAS NUMBER

14808-60-7

MSDS NUMBER

8083

PRODUCT CODE

ND

PRODUCT USE

CERAMIC PRODUCTS

MANUFACTURER /

SUPPLIER

Koch Knight, LLC

P.O. Box 30070

5385 Orchardview Drive, S.E.

East Canton, OH

44730

USA

TELEPHONE NUMBERS - 24 HOUR ASSISTANCE

Koch Glitsch:

330-488-1651

Canutect

613-996-6666

Chemtrec:

800-424-9300

TELEPHONE NUMBERS - GENERAL ASSISTANCE

8-5 (M-F, CST) Product

330-488-1651

Assistance

8-5 (M-F, CST) MSDS

330-488-1651

Assistance

# 2 COMPOSITION / INFORMATION ON INGREDIENTS

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

Ingredient Name	CAS Number	Concentration*	Exposure Limits / Health Hazards
SILICA, CRYSTALLINE - QUARTZ	14808-60-7	15 - 40 %	0.05 mg/m3 8-Hour TWA (ACGIH) Total Particulate Dust: 30 mg/m3 divided by % SiO2 + 2 (OSHA) Respirable Particulate: 10 mg/m3 divided by % SiO2 + 2 (OSHA)

<sup>\*</sup>Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

UNDER NORMAL USE, CERAMIC PRODUCTS IN SOLID FORM DO NOT PRESENT A HEALTH HAZARD. Cutting brick or placing packing may release small quantities of the particles mentioned above.

WHMIS Classification: D2A

# 3 HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

WARNING

HEALTH HAZARDS
MAY BE IRRITATING TO THE SKIN AND RESPIRATORY TRACT
CANCER HAZARD
SEE "TOXICOLOGICAL INFORMATION" (SECTION 11) FOR MORE INFORMATION

FLAMMABILITY HAZARDS NON-COMBUSTIBLE

REACTIVITY HAZARDS STABLE

#### POTENTIAL HEALTH EFFECTS, SKIN

Contact may cause reddening, itching and inflammation.

#### POTENTIAL HEALTH EFFECTS, EYE

Prolonged or repeated exposure may cause irritation, pain, conjunctivitis and possible corneal damage.

# POTENTIAL HEALTH EFFECTS, INHALATION

Dusts may cause irritation to the nose, throat and lungs by mechanical abrasion. Symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and duration of exposure.

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

## POTENTIAL HEALTH EFFECTS, INGESTION

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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# 4 FIRST AID MEASURES

#### SKIN

Immediately flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Place contaminated clothing in closed container for storage until laundered or discarded. If clothing is to be laundered, inform person performing operation of contaminant's hazardous properties. Discard contaminated leather goods.

#### EYE

If eyes become irritated from contact with dust, flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

#### INHALATION

Remove to fresh air. If not breathing, institute rescue breathing. If breathing is difficult, ensure airway is clear and give oxygen.

Get medical attention.

#### INGESTION

Get medical attention.

#### 5 FIRE FIGHTING MEASURES

#### **EXTINGUISHING MEDIA**

Material itself will not burn.

#### BASIC FIRE FIGHTING PROCEDURES

Evacuate area and fight fire from a safe distance. Use extinguishing agent suitable for type of surrounding fire,

Use water spray to cool adjacent structures and to protect personnel.

Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

## **UNUSUAL FIRE & EXPLOSION HAZARDS**

None known

Flash Point	ND
Autoignition Temperature	ND
Flammability Limits in Air, Lower, % by Volume	ND
Flammability Limits in Air, Upper, % by Volume	ND

# 6 ACCIDENTAL RELEASE MEASURES

#### **EMERGENCY ACTION**

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind. (See Exposure Controls/Personal Protection in Section 8.)

#### **ENVIRONMENTAL PRECAUTIONS**

If product is released to the environment, take immediate steps to stop and contain release. Caution should be exercised regarding personnel safety and exposure to the released product. Notify local, provincial and/or federal authorities, if required.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

#### SPILL OR LEAK PROCEDURE

Shovel into a container for later disposal. Avoid cleanup procedures that may result in water pollution.

Do not touch or walk through spilled material.

Avoid excessive generation of dust. If dust is generated, appropriate respiratory, eye and skin protection should be used to protect personnel during clean-up.

See Exposure Controls/Personal Protection (Section 8).

## 7 HANDLING & STORAGE

#### HANDLING

Do not cut, grind, drill, weld or reuse containers unless adequate precautions are taken against these hazards.

Minimize dust generation during handling and contact. Avoid inhaling dust and contact with skin and eyes.

Do not eat, drink or smoke in areas of use or storage.

#### STORAGE

Store outdoors with proper provisions for containment or in ventilated indoor areas equipped to confine dusts.

Empty containers may contain product residue. Do not reuse without adequate precautions.

# 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **ENGINEERING CONTROLS**

General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures.

#### EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear chemical safety goggles and face shield. Have eye washing facilities readily available where eye contact can occur.

#### SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Avoid skin contact with this material.

If skin contact is anticipated, protective clothing, including impervious gloves, should be worn.

Use good personal hygiene.

#### RESPIRATORY PROTECTION; PERSONAL PROTECTION EQUIPMENT (PPE)

A NIOSH/MSHA approved air purifying respirator with a dust/mists cartridge or canister may be appropriate under certain circumstances where alroome concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

#### 9 PHYSICAL & CHEMICAL PROPERTIES

#### ODOR AND APPEARANCE

ODORLESS, WHITE POWDER OR FINE CRYSTALS

**Boiling Point** 4046 °F (2230 °C) Specific Gravity 2.7 Melting Point > 3110 °F (>1710 °C) Percent Volatile ND Vapor Pressure NA Vapor Density NA **Bulk Density** ND Solubility in Water INSOLUBLE Octanol/Water Partn NA Voiable Organic ND Pour Point NA pH Value ND Freezing Point ND Viscosity ND **Evaporation Rate** ND Molecular Formula NΔ Molecular Weight ND Chemical Family QUARTZ Odor Threshold **ODORLESS** 

#### 10 STABILITY & REACTIVITY

#### STABILITY/INCOMPATIBILITY

Incompatible with hydrofluoric acid, fluorine, chlorine trifluoride or oxygen difluoride.

Stable under normal conditions of use.

See precautions under Handling & Storage (Section 7).

### HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

May form corrosive and toxic silicon tetrafluoride gas, if dissolved in hydrofluoric acid.

#### 11 TOXICOLOGICAL INFORMATION

## ROUTES OF EXPOSURE

Inhalation, ingestion, skin and eye contact.

LD50

ND

#### TOXICOLOGICAL DATA

Acute or chronic overexposure to this material or its components may cause systemic toxicity, including adverse effects to the following: respiratory system.

Exposure to components of this material may cause the following specific symptoms, depending on the concentration and duration of exposure: pneumoconioses, asthma and massive pulmonary fibrosis.

#### CARCINOGENICITY

This product contains crystalline silica. Silica causes silicosis, a form of disabling, progressive, and sometimes fatal pulmonary fibrosis characterized by the presence of typical lung nodules. Crystalline silica has been determined by IARC to be carcinogenic to humans (Group 1). Case reports indicate that crystalline silica, or the disease silicosis, is associated with an increased incidence of scleroderma, an immune disorder. Individuals with silicosis are also predisposed to develop tuberculosis.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

#### TERATOGENICITY, MUTAGENICITY, OTHER REPRODUCTIVE EFFECTS

Please see Toxicological Data.

#### PRE-EXISTING CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing medical conditions which may be aggravated by exposure include disorders of the respiratory system.

# 12 ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION** 

ND

# 13 DISPOSAL CONSIDERATIONS

#### WASTE DISPOSAL

This product, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste subject to RCRA.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state and local regulations.

In Canada, wastes should be disposed of according to federal, state, provincial and local regulations.

## 14 TRANSPORT INFORMATION

BILL OF LADING - BULK (U. S. DOT)

Non-Regulated

BILL OF LADING - NON-BULK (U. S. DOT)

Non-Regulated

The above description may not cover shipping in all cases, please consult 49 CFR 172.101 for specific shipping information.

# 15 REGULATORY INFORMATION

#### FEDERAL REGULATIONS

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

This product, as supplied, contains no hazardous substances regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302), or any extremely hazardous substances regulated under the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355), and thus a release of this product as supplied has no reporting requirements under these regulations. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Failure to report may result in substantial civil and criminal penalties.

This product does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313 (40 CFR 372).

There may be specific regulations at the local, regional or state/provincial level that pertain to this product,

#### STATE REGULATIONS

WARNING: This product contains a chemical known to the State of California to cause cancer.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

#### INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

WHMIS Classification; D2A.

All known major components of this product are listed on the Canadian DSL.

Bio Hazardous

#### SARA TITLE III RATINGS

immediate Hazard;	-	Delayed Hazard:	X	Fire Hazard:	-	Pressure Hazard:	
Reactivity Hazard:	-					•	•
NFPA RATINGS				•			
Health	1	Flammability	0	Reactivity	0	Special Hazards	
HMIS RATINGS							
Health	1*	Flammability	0	Reactivity	0		
WHMIS RATINGS							
Compressed Gas		Flammable/Combustible		Oxidizer		Acutely Toxic	

Corrosive

# Other Toxic Effects 16 OTHER INFORMATION

Х

#### DISCLAIMER

NOTICE: The Information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Current Revision Date 07-Jan-2002

Replaces Sheet Dated 31-Dec-2001

Dangerously Reactive

Completed By Safety & Emergency Response, Koch Chemical Technology Group, LLC

11-Sep-02 15:32

From-VESUVIUS UK

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**2**6107054C02



01	PRODUCT AND COMPANY IDENTIFICATION
PRODUCT NAME Product Type	CARBON BLOCK RANGE. BO NOT USE NOW IN NOTES TS Fired Carbon Shaped Refractory. DO NOT USE
Application	Aluminium and forces industries.
Manufacturer Address	VESUVIUS PREMIER REF. AUSTERFIELD BRICKWORKS BAWTRY NR DONCASTER SOUTH Y ORKSHIRE TELEPHONE 01302 718100 TELEPAX 01302 718111
Enquiry Contact	Technical Centre Help Deak 01909 471471
Emergency Contact	HEALTH AND SAFETY ADVISOR TELEPHONE 01246 571700 TELEPAX 01246 571971
02	COMPOSITION/INFORMATION ON INGREDIENTS
COMPONENTS	A hydraulically pressed, heat treated mixture of carbon, silicon, allicon, allicon carbido.
	SUBSTANCE         % RANGE         IDENTINO.         R/S YMRASE           Alumina         0 - 6         CAS 1344-28-1         Silicon         0 - 6         CAS 7440-21-3           Silicon         0 - 6         CAS 409-21-2         Carbon         70 - 90         CAS 7440-44-0
03	HAZARDS IDENTIFICATION
Dust Health Effect	(CARBONBLOCK) - Any dust produced from custing, grinding, breaking en Will be non-siliceous turbon particulate. Over exposure to this dust may cause initation to the cyes and upper respiratory wast.
04	FIRST AID MEASURES
Skin Contact Kye Contact Inhalation Ingestion	DUST — Wash off with warm scapy water.  DUST — Flush with suitable eye wash — Seek medical advice.  DUST — Remove to fresh air.  DUST — Seek medical advice.
05	FIRE FIGHTING MEASURES
Extinguisher type Special Procedures	General purpose for packaging material/pallers, West breathing apparatus to protect against the risk of fire generated fume emissions.
06	ACCIDENTAL RELEASE MEASURES
Splilage	Product may be reused subject to not being damaged.
07	HANDLING AND STORAGE
25	Care should be taken because of the smooth slippery nature of product
Handling	

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P. 004/005

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From-VESUVIUS UK

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7	HANDLING AND STORAGE					
Storage	surfaces. Store in a dry ama away from ficuse best that may cause damage to packaging materials/pallets.					
98	EXPOSURE CONTROLS/PERSONAL PROTECTION					
	l, Respecture Control - See rection 15 for exposure control criteria.					
	SUBSTANCE   Q.E.L. YALUE   DESIGNATION     Alumina					
Yentliation	Whete practicable maintain armospheric dust control by engineering					
Respiratory	methods, eg Local exhanst ventilation.  Where atmospheric dust control cannot be achieved at source in light anticipated concentration use a dust mask of standard EN 149 FFP 25 — Nominal Protection = 12.					
Eye	Use suitable industrial grade protection where there is a risk from excessive dust generation.					
Hand Optier	General purpose barder cream and anti-slip gloves are recommeded.  Overalls and safety footwear are recommended.					
09	PHYSICAL AND CHEMICAL PROPERTIES					
Physical; Appearance Solubility pH Temperature Limi; Bulk Density Chemical;	Black solid shape, Negligible. Slightly alkaline. See Specific Product Data Sheet. See Specific Product Data Sheet. By XRF Analysis. See Specific Product Data Sheet.					
10	STABILITY AND REACTIVITY					
Chemical Stability Incompatability Conditions to avoid Haurdous Decomposition	Stable in the form supplied. None known, Ensure sporage requirements are not compromised. None known.					
11	TOXICOLOGICAL INFORMATION					
	This product range as supplied provides minimal threat to human health within the described standards (See Socion 8).					
12	ECOLOGICAL INFORMATION					
	Carbon products are relatively inert in the form supplied. Bioaccumulation potential or aquatic toxicy is considered negligible.					

**2**6107054002 F. 005/005

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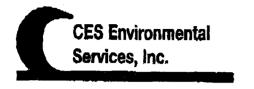


3	DISPOSAL CONSIDERATIONS					
	Uncontaminated Carbon products may be disposed of as non-hazardous solid waste in accordance with local regulations and stantory provisions.  Before carrying out disposal operations customers are advised to evaluate any changes to the product that may be induced by the impoduction of substances and operating conditions not under the control of the vendor.					
4	TRANSPORT INFORMATION					
	No special legislative measures are required. Keep product well protected from moisture, rain, snow, frost etc.					
15	REGULATORY INFORMATION					
	EC Directives 38/379/EEC and 91/155/HEC.  The UK Chemicals (Hazard Information and Packaging) Regulations.  The UK Health and Safety at Work Act Regulations 1974 - Section 6.  The UK Control of Substances Hazardous in Health Regulations 1988.  Exposure Control — The current issue of the HSR Guidance Nute RH40 —  Occupational Exposure Limits — Assigns to substances Maximum Exposure  Limits (MHL) or Occupational Exposure Standards (OES) over a time  weighted average of 8 hours, at atmospheric pressure between 900 and  1100 m. bars. Customers are advised that the quoted Occupational  Exposure Limits values and designation are those current within the  United Kingdom, Values and designation may vary in other countries.					
16	OTHER INFORMATION					
	The product is supplied packaged on pallets. The weight of the pallet load is indicated on the packaging label. Customers are advised to consider any manual handling requirements in line with pertinent legislative requirements. This safety data sheet will be periodically reviewed and will be updated when occupational exposure limits are changed or when the contained information does not accurately reflect safety risk or to comply with any change in legislative requirements. The vendor undertakes as appropriate to supply the customer with any revision of this safety data sheet. Curbon Block Range information contained within the pages of this safety data sheet relate to such products and their intended usage. Every affort has been made to ensure that this information is correct and gives adequate safety margins in line with current knowledge.					

CES ENVIROMENTAL

P.002

7137488664 MSDS



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1678

# **Waste Profile Re-Certification Form**

CES Waste Approval #:	HOU-1549	
Customer:	Koch Knight L	LC
Waste Generator:	Koch Knight L	<u>LC</u>
Waste Stream Name:	Non-RCRA Wa	astewater
Expiration Date:	5/3/2008	
profiles on an annual basis, generation process of the a hazardous as per 40 CFR 2  Generator hereby certifies to	The purpose of this forementioned waste 61.3.	nental Services, Inc. requires recertification of all approved waste is form is to confirm that no changes have been made in the te stream and that the waste stream remains classified as non-sin the aforementioned waste stream and the process generating ued the aforementioned CES Waste Approval Number: (Check
No changes, please rece	rtify.	Analysis is NOT required for recertification.
☐ Please send new profile has changed.	as waste stream	<ul> <li>The following analysis is required for recertification.</li> <li>Please sumbit results of the following tests.</li> </ul>
Everick Jack Customer Name Survivales or Signature	Son	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Incitability
Koch Knight Ll Company/Title	_c/Superi	In Jendent Dignitability

# KKOCH

# KOCH KNIGHT LLC

# MATERIAL SAFETY DATA SHEET

# 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME

**CERAMIC PRODUCTS** 

TRADE NAME(S)

KNIGHTWARE® INTERNALS, KNIGHTWARE® LESSING RINGS,

KNIGHTWARE® BRICK, KNIGHTWARE® CROSS PARTITION RINGS.

KNIGHTWARE® NEUTRALIZING SUMPS, CERAMIC BARS, CERAMIC RASCHIG RINGS, FLEXISADDLE™ TOWER

PACKING, FLEXERAMIC® CERAMIC STRUCTURED

**PACKING** 

CAS NUMBER

14808-60-7

MSDS NUMBER

8083

PRODUCT CODE

ND

PRODUCT USE

CERAMIC PRODUCTS

MANUFACTURER /

SUPPLIER

Koch Knight, LLC

P.O. Box 30070

5385 Orchardview Drive, S.E.

East Canton, OH

44730

USA

### TELEPHONE NUMBERS - 24 HOUR ASSISTANCE

Koch Glitsch;

330-488-1651

Canutec:

613-996-6666

Chemtrec:

800-424-9300

#### TELEPHONE NUMBERS - GENERAL ASSISTANCE

8-5 (M-F, CST) Product

330-488-1651

Assistance

8-5 (M-F, CST) MSDS

330-488-1651

**Assistance** 

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

ND = No Data NA = Not Applicable

Printed On 1/7/2002

1/7

Ingredient Name	CAS Number	Concentration*	Exposure Limits / Health Hazards
SILICA, CRYSTALLINE - QUARTZ	14808-60-7	15 - 40 %	0.05 mg/m3 8-Hour TWA (ACGIH) Total Particulate Dust: 30 mg/m3 divided by % SiO2 + 2 (OSHA) Respirable Particulate: 10 mg/m3 divided by % SiO2 + 2 (OSHA)

<sup>\*</sup>Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

UNDER NORMAL USE, CERAMIC PRODUCTS IN SOLID FORM DO NOT PRESENT A HEALTH HAZARD. Cutting brick or placing packing may release small quantities of the particles mentioned above.

WHMIS Classification: D2A

# 3 HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW**

WARNINGI

HEALTH HAZARDS
MAY BE IRRITATING TO THE SKIN AND RESPIRATORY TRACT
CANCER HAZARD
SEE "TOXICOLOGICAL INFORMATION" (SECTION 11) FOR MORE INFORMATION

FLAMMABILITY HAZARDS NON-COMBUSTIBLE

REACTIVITY HAZARDS STABLE

#### POTENTIAL HEALTH EFFECTS, SKIN

Contact may cause reddening, itching and inflammation.

### POTENTIAL HEALTH EFFECTS, EYE

Prolonged or repeated exposure may cause irritation, pain, conjunctivitis and possible corneal damage.

# POTENTIAL HEALTH EFFECTS, INHALATION

Dusts may cause irritation to the nose, throat and lungs by mechanical abrasion. Symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and duration of exposure.

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

#### POTENTIAL HEALTH EFFECTS, INGESTION

Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information" (Section 11).

Other specific symptoms of exposure are listed under "Toxicological Information" (Section 11).

# 4 FIRST AID MEASURES

#### SKIN

Immediately flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Place contaminated clothing in closed container for storage until laundered or discarded. If clothing is to be laundered, inform person performing operation of contaminant's hazardous properties. Discard contaminated leather goods.

#### EYE

If eyes become irritated from contact with dust, flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

#### INHALATION

Remove to fresh air. If not breathing, institute rescue breathing. If breathing is difficult, ensure airway is clear and give oxygen.

Get medical attention.

#### INGESTION

Get medical attention.

# 5 FIRE FIGHTING MEASURES

#### **EXTINGUISHING MEDIA**

Material Itself will not burn.

#### BASIC FIRE FIGHTING PROCEDURES

Evacuate area and fight fire from a safe distance. Use extinguishing agent suitable for type of surrounding fire.

Use water spray to cool adjacent structures and to protect personnel.

Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparetus (SCBA) with full face mask and full protective equipment.

#### **UNUSUAL FIRE & EXPLOSION HAZARDS**

None known.

Flash Point	ND
Autoignition Temperature	ND
Flammability Limits in Air, Lower, % by Volume	ND
Flammability Limits in Air. Upper. % by Volume	ND

# 6 ACCIDENTAL RELEASE MEASURES

#### **EMERGENCY ACTION**

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind. (See Exposure Controls/Personal Protection in Section 8.)

#### **ENVIRONMENTAL PRECAUTIONS**

If product is released to the environment, take immediate steps to stop and contain release. Caution should be exercised regarding personnel safety and exposure to the released product. Notify local, provincial and/or federal authorities, if required.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

#### SPILL OR LEAK PROCEDURE

Shovel into a container for later disposal. Avoid cleanup procedures that may result in water pollution.

Do not touch or walk through spilled material.

Avoid excessive generation of dust. If dust is generated, appropriate respiratory, eye and skin protection should be used to protect personnel during clean-up.

See Exposure Controls/Personal Protection (Section 8).

# 7 HANDLING & STORAGE

#### HANDLING

Do not cut, grind, drill, weld or reuse containers unless adequate precautions are taken against these hazards.

Minimize dust generation during handling and contact. Avoid inhaling dust and contact with skin and eyes.

Do not eat, drink or smoke in areas of use or storage.

#### STORAGE

Store outdoors with proper provisions for containment or in ventilated indoor areas equipped to confine dusts.

Empty containers may contain product residue. Do not reuse without adequate precautions.

# 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **ENGINEERING CONTROLS**

General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures.

### EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear chemical safety goggles and face shield. Have eye washing facilities readily available where eye contact can occur.

### SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Avoid skin contact with this material.

If skin contact is anticipated, protective clothing, including impervious gloves, should be worn.

Use good personal hygiene.

## RESPIRATORY PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

A NIOSH/MSHA approved air purifying respirator with a dust/mists cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

### 9 PHYSICAL & CHEMICAL PROPERTIES

### **ODOR AND APPEARANCE**

ODORLESS, WHITE POWDER OR FINE CRYSTALS

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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**Boiling Point** 4046 °F (2230 °C) Specific Gravity Melting Point > 3110 °F (>1710 °C) Percent Volatile ND Vapor Pressure NA Vapor Density NA **Bulk Density** ND Solubility in Water INSOLUBLE Octanol/Water Partn NA Volatile Organic ND Pour Point NA pH Value ND Freezing Point ND Viscosity ND Evaporation Rate ND Molecular Formula NA Molecular Weight ND Chemical Family QUARTZ

# 10 STABILITY & REACTIVITY

#### STABILITY/INCOMPATIBILITY

Odor Threshold

Incompatible with hydrofluoric acid, fluorine, chlorine trifluoride or oxygen difluoride.

**ODORLESS** 

Stable under normal conditions of use.

See precautions under Handling & Storage (Section 7).

### HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

May form corrosive and toxic silicon tetrafluoride gas, if dissolved in hydrofluoric acid.

## 11 TOXICOLOGICAL INFORMATION

#### **ROUTES OF EXPOSURE**

Inhalation, Ingestion, skin and eye contact.

### LD50

ND

### TOXICOLOGICAL DATA

Acute or chronic overexposure to this material or its components may cause systemic toxicity, including adverse effects to the following: respiratory system.

Exposure to components of this material may cause the following specific symptoms, depending on the concentration and duration of exposure: pneumoconioses, asthma and massive pulmonary fibrosis.

### CARCINOGENICITY

This product contains crystalline silica. Silica causes silicosis, a form of disabling, progressive, and sometimes fatal pulmonary fibrosis characterized by the presence of typical lung nodules. Crystalline silica has been determined by IARC to be carcinogenic to humans (Group 1). Case reports indicate that crystalline silica, or the disease silicosis, is associated with an increased incidence of scleroderma, an immune disorder. Individuals with silicosis are also predisposed to develop tuberculosis.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

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#### TERATOGENICITY, MUTAGENICITY, OTHER REPRODUCTIVE EFFECTS

Please see Toxicological Data.

#### PRE-EXISTING CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing medical conditions which may be aggravated by exposure include disorders of the respiratory system.

# 12 ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION** 

ND

# 13 DISPOSAL CONSIDERATIONS

#### **WASTE DISPOSAL**

This product, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste subject to RCRA.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state and local regulations.

In Canada, wastes should be disposed of according to federal, state, provincial and local regulations.

### 14 TRANSPORT INFORMATION

BILL OF LADING - BULK (U. S. DOT)

Non-Regulated

BILL OF LADING - NON-BULK (U. S. DOT)

Non-Regulated

The above description may not cover shipping in all cases, please consult 49 CFR 172.101 for specific shipping information.

# 15 REGULATORY INFORMATION

#### FEDERAL REGULATIONS

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

This product, as supplied, contains no hazardous substances regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302), or any extremely hazardous substances regulated under the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355), and thus a release of this product as supplied has no reporting requirements under these regulations. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Failure to report may result in substantial civil and criminal penalties.

This product does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313 (40 CFR 372).

There may be specific regulations at the local, regional or state/provincial level that pertain to this product,

#### STATE REGULATIONS

WARNING: This product contains a chemical known to the State of California to cause cancer.

ND = No Data NA = Not Applicable

Printed On 1/7/2002

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Material Id 8083

Trade Name CERAMIC PRODUCTS

## INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

WHMIS Classification: D2A.

All known major components of this product are listed on the Canadian DSL.

### SARA TITLE III RATINGS

Immediate Hazard:	-	Delayed Hazard:	Х	Fire Hazard:	-	Pressure Hazard:	
Reactivity Hazard:	•					•	•
NFPA RATINGS Health	4	Ciammahilih/	n	Daadhib	n	Onnaint Unanada	
	1	Flammability	u	Reactivity	O	Special Hazards	
HMIS RATINGS			_		_		
Health	7*	Flammability	O	Reactivity	0		

## WHMIS RATINGS

Compressed Gas		Flammable/Combustible	Oxidizer	Acutely Toxic
Other Toxic Effects	X	Bio Hazardous	Corrosive	Dangerously Reactive

# 16 OTHER INFORMATION

#### DISCLAIMER

NOTICE: The Information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Current Revision Date 07-Jan-2002

Replaces Sheet Dated 31-Dec-2001

Completed By Safety & Emergency Response, Koch Chemical Technology Group, LLC

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P. 003/005

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01	PRODUCT AND COMPANY IDENTIFICATION					
PRODUCT NAME Product Type	PRODUCT AND COMPANY IDENTIFICATION  CARBON BLOCK RANGE.—DO NOT USE—NOW IN NOTES TS Fired Carbon Shaped Refractory.—DO NOT USE  Aluminium and formus industries.  VESUVUS.—PREMIER REF. AUSTERFIELD BRICKWORKS BAWTRY NR DONCASTER SOUTH Y					
Application	Aluminium and forrous industries.					
Manufacturer Address	VESUVIUS-FREMIER REF. AUSTERFIELD BRICKWORKS BAWTRY NR DONCASTER SOUTH Y ORKSHIRE TELEPHONE 01302 718100 TELEFAX 01302 718111					
Enquiry Contact	Technical Centre Help Desk 01909 471471					
Enoughney Coulact	HEALTH AND SAFETY ADVISOR TELEPHONE 01246 571700 TELEPAK 01246 571971					
02	COMPOSITION/INFORMATION ON INGREDIENTS					
COMPONENTS	A hydraulically pressed, hear treated mixture of carbon, silicon, silicon, silicon carbido.					
	SUBSTANCE         % RANGE         IDENT NO.         R/B PRIRASE           Alumina         0 - 6         CAS 1344-28-1           Silicon         0 - 6         CAS 7440-21-3           Silicon Curbon         0 - 6         CAS 409-21-2           Curbon         70 - 90         CAS 7440-44-0					
03	HAZARDS IDENTIFICATION					
Dust Health Effect	(CARBONBLOCK) - Any dust produced from curing, grinding, breaking en Will be non-siliceous curion particulate. Over exposure to this dust may cause irritation to the eyes and upper respiratory track.					
04	FIRST AID MEASURES					
Skin Contact Kye Contact Inhalation Ingestion	DUST - Wash off with warm scapy water.  DUST - Flush with suitable eye wash - Seek medical advice.  DUST - Remove to frush air.  DUST - Seek medical advice.					
05	FIRE FIGHTING MEASURES					
Extinguisher type Special Procedures	General purpose for packaging material/pallers.  Wear breathing apparatus to protect against the risk of fire generated fume emissions.					
06	ACCIDENTAL RELEASE MEASURES					
Spillage	Product may be roused subject to not boing damaged.					
07	HANDLING AND STORAGE					
Handling	Care should be taken because of the smooth slippery nature of product					
Ren 16/CARBON	- Insue No. 1 Date - 11/09/02 Page 1 of					

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P. 004/005

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07	HANDLING AND STORAGE					
Storage	surfaces. Store in a dry area away from flowe heat that may cause damage to packaging materials/pallets.					
08	EXPOSURE CONTROLS/PERSONAL PROTECTION					
Ventliation Respiratory	I. Expecture Control - See section 15 for exposure control criteria.  SUBSTANCE O.E.L. VALUE DESIGNATION Alumina 4.00 mgs/cu.m. O.E.S. (R.) Silicon Carbide 4.00 mgs/cu.m. O.E.S. (R.) Carbon 4.00 mgs/cu.m. O.E.S. (R.) ii. Personal Protection  Where practicable maintain atmospheric dust control by engineering methods, eg Local exhaust ventilation. Where atmospheric dust control cannot be achieved at source in light anticipated concentration use a dust mask of standard EN 149 FFP 25 — Nominal Protection 12.					
Hand Other	Use suitable industrial grade protection where there is a risk from excessive dust generation.  General purpose bander cream and anti-slip gloves are recommeded.  Overalls and safety footwear are recommended.					
09	PHYSICAL AND CHEMICAL PROPERTIES					
Physical; Appearance Solubility pH Temperature Limit Bulk Density Chemical;	Black solid shape, Negligible. Slightly alkaline. Ste Specific Product Data Sheet. See Specific Product Data Sheet. By XRF Analysis. See Specific Product Data Sheet.					
10	STABILITY AND REACTIVITY					
Chemical Stability Incompatability Conditions to avoid Hazardous Decomposition	Stable in the form supplied. None known, Ensure sprage requirements are not compromised. None known.					
11	TOXICOLOGICAL INFORMATION					
	This product range as supplied provides minimal threat to human health within the described standards (See Section 8).					
12	ECOLOGICAL INFORMATION					
	Carbon products are relatively inert in the form supplied.  Bioaccumulation potential or aquatic toxicy is considered negligible.					
Red 16/CARBON	- Nama No. 1 Dans - 11/09/02 Page 2 of					

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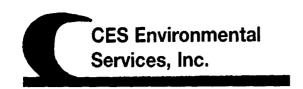
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13	DISPOSAL CONSIDERATIONS
3	Uncontaminated Carbon products may be disposed of as non-hazardous solid waste in accordance with local regulations and stamtory provisions.  Before carrying out disposal operations customers are advised to evaluate any changes to the product that may be induced by the introduction of substances and operating conditions not under the compol of the vendor.  TRANSPORT INFORMATION
14	TRANSPORT INFORMATION
	NVs. a. a. fall Nan 2. Hardon and a superior and found
15	REGULATORY INFORMATION
	Keep product well proceed from molecure, rain, snow, frost em.  REGULATORY INFORMATION  EC Directives 88/379/EEC and 91/155/EEC.  The UK Chemicals (Hazard Information and Packaging) Regulations.  The UK Health and Safety at Work Act Regulations 1974 - Section 6.  The UK Control of Substances Hazardous to Health Regulations 1988.  Exposure Control - The current large of the HSE Guidance Note Eli40 -  Occupational Exposure Limits - Assigns to substances Maximum Exposure  Limits (MHL) or Occupational Exposure Standards (OES) over a time weighted average of 8 hours, at atmospheric pressure between 900 and 1100 m bars. Customers are advised that the quoted Occupational Exposure Limits values and designation are those current within the United Kingdom, Values and designation may vary in other countries.
16	OTHER INFORMATION
	The product is supplied packaged on pallets. The weight of the pallet load is indicated on the packaging label.  Customers are advised to consider any manual handling requirements in line with pertinent legislative requirements.  This safety data sheet will be periodically reviewed and will be updated when occupational exposure limits are changed or when the contained information does not accurately reflect safety risk or to comply with any change in legislative requirements.  The vendor undertakes as appropriate to supply the customer with any revision of this rafety data sheet.  Carbon Block Range information contained within the pages of this safety data sheet relate to such products and their intended usage.  Every effort has been made to sensure that this information is correct and gives adequate safety margins in line with current knowledge.

Goodman Manufactions 13

Lau



# **Waste Pre-Acceptance/Approval Letter**

Date 5/18/2006

Dear Jim McCoy

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1572

Generator: Goodman Manufacturing

Address: 3300 West 11th Street

Houston, TX 77008

# Waste Information

Name of Waste: Oily Rags/Pads/Absorbent

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oily rags, pads and booms from cleaning up lubricating oil leaks

Color: Varies

Odor: None

**pH:** 3-11

**Physical State:** 

Incompatibilities: None

Safety Related Data/Special Handling:

None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. MAY-18-2006 09:01

CES Environmental Svcs.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.ccsenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gen	erator Information	1			/***			
Сотрапу:	Goodman Man							
Address:	3300 West 11th							
City, State, Zip:	Houston, TX		· · · · · · · · · · · · · · · · · · ·					
Contact:	Jim McCoy				Title:	EHS Mans	מב היי	Latha Ma
Phone No:	713 263-5327				Fax No:	(200) 8	9-6316	
- 24/hr Phone:	211 2124	1256						
L U.S. EPA I.D. No:	TKDO IAROS	42	2010 8	NIA				
State 1.D.	84122				SIC Code:	<u>3585</u>	-	
SECTION 2: Billi	ng Information - D	Same as A	<u>bove</u>					1
Company:						<u> </u>		, , , , , , , , , , , , , , , , , , ,
Address;								
City, State, Zip:								
Contact:			Title:					
Phone No:		***	Fax No	o: _				
SECTION 3: Gene	eral Description of	the Waste						
Name of Waste: Q Detailed Description	ily Rags. Pads. Abso on of Process Cener	orbent ating Waste	: Oily rags p	ads an	d booms from	cleaning up	bricating oil	leaks
Physical State:	☐ Liquid	□ Shi	dge	П	Powder			
,	⊠ Solid		er Cake		• • • • • • • • • • • • • • • • • • • •			
	Ø 2010	· L Fut	er Cake	u	Combination	on		
Color: varies		Odor: Non	<u>e</u>					
Specific Gravity (w	ater-1): <u>1.5</u>	Densit	y: <u>12</u> lbs/gal					
Layers:	⊠ Single-phas	e 🗆	Multi-phas	ie				
Container Type:	⊠ Drum	⊠ то	.ta		Truck			
Container Size:	<u>55-qa</u>		· •	u	I FUCK	. 🗀	Other (explain	1)
Containt; Size,	<u> 70-719</u> 1	42	<u>0-gal</u>		-	•		1
								١.
Frequency:	Weekly	⊠ Me	onthly	П	Quarterly		` 'early	·
Number of Units (co	ontainers): 10		ther:		Cuartany		<b></b>	
Toxas State Waste	· · · · · · · · · · · · · · · · · · ·	Recyclable						
Proper U.S. DOT S			DOT D I	1 3 4				
<i>y</i>			DOT Regula	ited M	aterials			
Class: N/A	UN/	NA: N/A			PG: N/	A	RQ:	N/A
							•	
Flash Point	pH	Reactive	Sulfides		Reactive C	yanides	Solids	9,
<u>&gt;140</u>	3-11	Omg/I			Omg/I		Solids	10/0
Oil&Greage	TOC	Zinc			opper	Nick	ıl.	
>100mg/I	10000mg/1	<u>O</u> mg/	t	10	mg/l	Ome	d e e	

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CES Environmental Svcs.

# SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are ac ceptable	Units or %	
Lubricating Oils	1-15	%	
Cloth Rags	30-80	%	
PP absorbent pads/booms	30-80	%	

#### SECTION S: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. None

# SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste appr avail package.

# SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

<u>None</u>

X

# SECTION 8: Generator's Knowledge Documentation

Leboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFOR MED based upon the following generator knowledge:

ICLP Metals:	<u>N/A</u>
TCLP Volatiles:	N/A
TCLP Semi-Volatiles:	N/A
Reactivity:	N/A
Corresivity:	N/A
lgnitability:	N/A

# SECTION 9: Generator's Certification

The information contained herein is based on generator knowledge and/or analytical data. hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to deter nine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been dist losed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:  Printed Name/Title:	March Complete Manger
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer:	Additional Information; REC
Approval Number: 1572	

CES Environmental Svcs.

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9	SECTION 10: Waste Receipt Classification Under 40 CFR	437	·
1	s this material a wastewater or wastewater sludge?   YES	⊠ NO	1
J	f 'Yes'. complete this section.		
· i	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY, GO	TO T. IE NEXT PAGE.
<u>Me</u>	tals Subcategory: Subpart A	•	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incincration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi		peratio 15
QII	Subcutevory: Subpart B		
	Used oils Oil-water emulsions or inixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	·	
Org	mis Subcaiceory: Subpari C		
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	arces	

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CES Environmental Svcs.

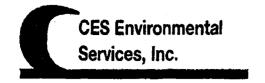
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(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.	
(2)	If the of the	waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exceedables listed below, the waste should be classified in the metals subcategory.	285
		ium: 0.2 mg/L	
		nium: 8.9 mg/L	
	• • •	er: 4.9 mg/L	
	Nicke	l: 37.5 mg/L	
(3)	if the nicke	waste contains oil and grease less than 100 mg/l., and does not have concentrations o cadmium, chromium, copper, above any of the values listed above, the waste should be classified in the organics si beategory.	ÓI
		Metals Subcategory	
		Oils Subcategory	
		Organics Subcategory	

## SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the correct rentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #: **HOU-1572** 

Customer:

**Goodman Manufacturing (Furnace Plant)** 

Waste Generator:

Goodman Manufacturing (Furnace Plant)

Waste Stream Name:

Oily Rags/Pads/Absorbent

**Expiration Date:** 

4/26/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please sumbit results of the following tests.

The following analysis is required for recertification.

Please send new profile as waste stream has changed.

**TCLP Metals** 

**TCLP Volatiles** 

**TCLP Semi-volatiles** 

Reactivity

Corrosivity

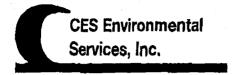
Company / Title

Date

Signatur

Ignitability

PGI INTERNATIONAL 1739 Profile # 1239



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #: 1239

Customer:

PGI International

Waste Generator:

PGI International

Waste Stream Name:

Oily Water

**Expiration Date:** 

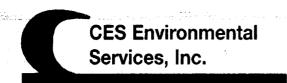
12/6/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: [Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.



# Waste Pre-Acceptance/Approval Letter

Date 12/6/2005

Dear Phil Orth

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1239

**Generator:** PGI International **Address:** 16101 Vallen Dr

Houston, TX 77041

# Waste Information

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

Container Type: Truck

**Detailed Description of Process Generating Waste:**Oil, coolant and water from machining carbon steel metal.

Color: Dark Odo

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

**Odor:** Hydrocarbon

**pH:** 3-11

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	ator Information									<del></del>	
Company :	PGI Internatio	nal									
Address :	16101 Vallen	Dr						<u> </u>			
City, State, Zip:	Houston TX 7	7041									
Contact:	Phil Orth					Tit	le :	Purchasi	ng Agent		
Phone No:	(713) 744-978	2				Fa	<b>x</b> :	(713) 744	4-9892		
24 / HR Phone :	(713) 744-978	2				<del></del> -			<del></del>	-	
U.S EPA I.D No:	N/A										
State I.D:	N/A					SIC	C Code				
		<u> </u>									
SECTION 2: Billing	Information	· .									
Company :	PGI Internatio	nal									
Address :	16101 Vallen	Dr									
City, State, Zip:	Houston TX 7	7041									
Contact:	Phil Orth					Tit	:le :	Purchasi	ng Agent		
Phone No:	(713) 744-978	2				Fa	x:	(713) 744			
								•			
SECTION 3: General		f the Waste	<del></del>								
Name of Waste:	Oily Water										
Detailed Descript	tion of Proces	s Generati	ng Wast	e:							
Oil, coolant and w	ater from mach	ining carbo	on steel m	netal.							
Physical State :	<b>√</b> Liquid		□ Sli	udge	Г	□ Powde	r				
Physical State.	_		_	•	L.						
	Solid		∐ Fil	ter Cake	L	Combi	nation				
Color:	_		Dark		Odor	r:			Hydro	carbon	·
Specific Gravity (	Water=1) :		1		Dens	sity:			8.34		lbs / gal
Layers :	Single	-Phas	<b>✓</b> Mu	ulti-Phas	e						
			<b>-</b> .								
Container Type :	☐ Drum		Tote	✓	Truck		her (exp	olain)			
Container Size :					130 bbl						
<b>Number Of Units</b>	: 2500										
Texas State Was	te Code No:_		Recycle								
Proper U.S. State	Waste Code I	No :			Recycla	able hydr	ocarbor	and wate	r mixture		
Class :	. * <sup>*</sup> .	UN/NA:				PG :_		· 		RQ :	~
Flash Poin	it	рН	_	Read	tive Sulf	ides	Read	tive Cyan	ides	Solid	s
>200		3-11	<u>.                                    </u>		N/A	mg/l		N/A	mg/i	0-2	%
Oil and Grea	ise	тос			Zinc			Copper		Nick	el·
>1500	mg/l	N/A	mg/l		N/A	mg/l		N/A	mg/l	N/A	

# SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Coolant	0.5-1	%
Cutting Oil	2-3	%
Hydraulic Oil	2-3	%
Water	93-97	%

i ne wa	ste consists of the following materials	Ranges are acceptable	Or 76
	Coolant	0.5-1	%
	Cutting Oil	2-3	%
	Hydraulic Oil	2-3	%
	Water	93-97	%
ECTION 5: Safety Related	Data	<del></del>	· · · - · · -
	aste requires the use of special protective equipme	ent nlease explain	
Standard PPE Required	aste requires the use of special protective equipme	in, piease explain.	
	sum.		
ECTION 6: Attached Supp	porting Documents		
ist all documents, note	es, data, and/or analysis attached to this form as pa	rt of the waste approval package.	
one			
ECTION 7: Incompatibiliti	es		
lease list all incompati	bilities (if any):		
one Known			
aboratory analysis of the Mollowing generators kn	he hazardous waste characteristics, listed below, V owledge	VAS NOT PERFORMED based upon	the
CLP Metals :	N/A		
CLP Volatilies :	<u>N/A</u>		
CLP Semi-Volatiles :	<u>N/A</u>		
eactivity :	<u>N/A</u>		
orrosivity:	<u>N/A</u>		
nitability :	<u>N/A</u>		
ECTION 9: Generator's Ce	ertification		
bove and attached des eliberate or willful omis	ed herein is based on  generator knowledge an cription is complete and accurate to the best of my ssions of composition properties exist and that all the materials tested are representative of all materials	knowledge and ability to determine known or suspected hazards have b	that no
Authorized Signature :	Kahhally on	Date : 12/6/2005	
Printed Name / Title :	Phil Orth / Purchasing Agent		
CES USE ONLY (DO NO	OT WRITE IN THIS SPACE)	Additional Information	
Compliance Officer :	Prabhakar Thangudu		
Date: 12/6/200	95 Status: Approved Rejected		
Approval Number :	1239 —		

SECT	ION 10: Waste Receipt Classification Under 40 CFR 437		a dina nakatiri	grading of the second of the second	Languaga, Military (no 1966-1967), Languaga, Military (no 1967-1967), Languaga (no 1967-1967), Languaga (no 1	mai deserti e edici	in a supplier of
Is this	s material a wastewater or wastewater sludge ? $\ \Box$	YES	<b>✓</b> NO	•			
If 'YE	S', complete this section				•		
PLEA	ASE CHECK THE APPROPRIATE BOX: IF NO APPRO	PRIATE	CATEGOR	Y, GO TO TI	HE NEXT PAGE		
Matal	ls Subcategory: Subpart A						
	Spent electroplating baths and/or sludges						
	Metal finishing rinse water and sludges						
	Chromate wastes						
	Air pollution control blow down water and sludges						
. 🔲	Spent anodizing solutions						
	Incineration wastewaters						
	Waste liquid mercury						
	Cyanide-containing wastes greater than 136 mg/l						
	Waste acids and bases with or without metals						
	Cleaning, rinsing, and surface preparation solutions for	rom elec	troplating or	phospha			
	Vibratory deburring wastewater						
	Alkaline and acid solutions used to clean metal parts	or equip	ment				
	· · · · · · · · · · · · · · · · · · ·						
Oils S	Subcategory: Subpart B						
	Used oils						
	Oil-water emulsions or mixtures						
	Lubricants						
	Coolants						
	Contaminated groundwater clean-up from petroleum	sources					
	Used petroleum products						
	Oil spill clean-up						
	Bilge water				,		
· 📙 .	Rinse/wash waters from petroleum sources						
	Interceptor wastes						•
	Off-specification fuels						
	Underground storage remediation wastes						
	Tank clean-out from petroleum or oily sources						
	Non-contact used glycols						
	Aqueous and oil mixtures from parts cleaning operation	ons					
	Wastewater from oil bearing paint washes						
Organ	nics Subcategory Subpart C						
	Landfill leachate						
	Contaminated groundwater clean-up from non-petrole	eum sour	ces				
	Solvent-bering wastes						
	Off-specification organic product						
	Still bottoms				÷.		
	Byproduct waste glycol						
	Wastewater from paint washes						
	Wastewater from adhesive and/or epoxies formulation						
	Wastewater from organic chemical product operations	8					

Tank clean-out from organic, non-petroleum sources

	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
5a.1	☐ Organics Subcategory
CIE	CTION 11. Additional Instructions

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

JUN-04-2008 08:52

CES Environmental Service

713 676 1676 P.02



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

SECTION 1: Ganel	rator intormation									
Company :	PGI Internation	nai			<b></b>					
Address :	16101 Vallen l	Dr 16101 V	allen Drive							
City, State, Zip :	Houston TX 77	/041								
Contact :	Phil Orth S	teve s	tarne	(		Title :	Rutchesin	g Agent -	Buye	レ
Phone No :	(713) 744-978	2				Fax :	(713) 744	-9892		
24 / HR Phone :	(713) 744-978	2								
U.S EPA I.D No :	N/A					_				
State I.D :	N/A	, ,				SIC Code				
SECTION 2: Billing	Information									
Company:	PGI Internation	nal .						.,		
Address:	16101 Vallen I		allen Drive	<u></u>	<del></del>	·				
City, State, Zip:	Houston TX 77	<u>'041</u>				· · · · · · · · · · · · · · · · · · ·				
Contact:	Phil Orth					_Title :	Purchasin			
Phone Na :	(713) 744-976	2				Fax :	(713) 744	9892		
SECTION 3; Gener	al Description of	the Waste								
lame of Waste :	Oily Water	;								
Detailed Descrip	tion of the Pro-	Gasar	ating Was	to:		****				
Oil, coolant and w			-							
MI COOKIIC SIIO W	ater irom maore	inig carso.	. stoet mox	,,,						
Physical State :	Z Liquid		C Studg	j <b>e</b>	☐ Pa	wder				
	🔲 Solid		Filter	Cake	∐ Co	noitsaldan				
Color :			Dark		Odor :	-		Hydro	carbon	
pecific Gravity	(Water=1) :		1		ensity:			8.34		lbs / gai
oes this material	contain any total	phenolic co	mpounds?		Yes	□ No				•
loss this material	•	-	•	_		Yes	. No			
the Waste subject			•	•		_	_	Yes	☐ No	
		821 <b>2</b> 822		2824 2833			 36 2841		2843 2844	2851
		874 2876		2891 <b>289</b> 7			99 2911		1953 4959	9511
ayers :	<b>⊘</b> Single		☐ Multi-	-Phase						
ontainer Type :				☐ Truc	k 🗆	Other (exp	olain)			
••	130 bbl					· · · · ·				
ontainer Size :										
lumber Of Units	:2	_		-	.*					
	ease complete, si	gn and date ti	he Underlyin	'-	Constitue	☐ No nts Form atta	ched harato			
Y "Yee", is it:	D001 -	D002 T	D003							

Characteristic for Toxic M	etals: D004 D	0005 🗌 D006 📗	D007	
	□ D008 □ D	0009	D011	
Characteristics for Toxic	Organics: D012 thru D043 (	please list all that apply)		
Is this an "F" or "K" Lister	d waste or mixed with one?	Yes No		
If "Yes", then please i	ist ALL applicable codes:			
Is this a commercial prod 261.33(e) or (f)?	uct or spill cleanup that wo	uld carry a "U" or "P" was	te code under 40 CFR	Yes 🗌 No
If "Yes", then please i	ist ALL applicable codes:			
Texas State Waste Code	No: Recycle			
Proper U.S. State Waste	Code No :	Recyclable hydr	rocarbon and water mixture	
Class:	UN/NA :	PG:		RQ:
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	N/A mg/l	N/A mg/l	0-2 %
Oil and Grease	TOC	Zinc	Copper	Nickel
>1500 mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l
SECTION 4: Physical and Cl	nemical Data			
	COMPONENTS TABLE		Concentration	units
The material /	product consists of the fo		Ranges are accep	
	Water	<u> </u>	93-97	%
	Hydraulic Oil		2-3	%
	Cutting Oil		2-3	%
	Coolant		0.5-1	%
	<del> </del>	· · · · · · · · · · · · · · · · · · ·		
SECTION 5: Safety Related I	Data			
•	ste requires the use of sp	ecial protective equipme	ent, please explain.	
Standard PPE Required				
				•
		•		
SECTION 6: Attached Suppo	orting Documents			
List all documents, notes	s, data, and/or analysis att	ached to this form as pa	rt of the waste approval pag	kage.
None				
SECTION 7: Incompatibilitie	<b>S</b>			
Please list all incompatib	ilities (if any):			
None Known				
SECTION 8: Generator's Kno				
Laboratory analysis of the following generators kno		cteristics, listed below, V	VAS NOT PERFORMED base	ed upon the
TCLP Metals :	N/A			
	<del></del>			
TCLP Volatilies :	<u>N/A</u>			
TCLP Semi-Volatiles :	N/A			
Reactivity:	<u>N/A</u>	2		

P.04

713 676 1676

JUN-04-2008 08:53

CES Environmental Service

Correctvity:

NA

lanitability :

N/A

.9	-mey . 130.3
DECT	ON the Manne Booking Character Lindon 45 CFD 407
	ON 9: Waste Receipt Classification Under 40 CFR 437  material a wastewater or wastewater sludge?   VES  NO
	5', complete this section
	•
	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
₩a <i>t</i> an	s Subcategory: Subpart A Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
( ) [ ]	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste flouid mercury
	Cyanide-containing wastes greater than 138 mg/l
	Waste scids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
֡֝֝֟֝֟֝֝֟֝ <del>֡</del>	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	ics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
$\Box$	Solvent-bering wastes
	Off-specification organic product
	Súil bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation

Rejected

Prebhakar Thangudu

Status:

Approved

1239

Compliance Officer:

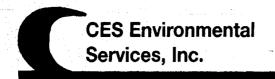
Approval Number:

Date :

12/6/2007

717171-1676

Texmande chemicals, Inc 1353 Profile # 1253



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 12/7/2005

ro-skyravaniaca.

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1253

Generator: Texmark Chemicals, Inc.

**Address:** 900 Clinton Drive

Galena Park, TX 77547

# Waste Information

Name of Waste: Process Wastewater TCEQ Waste Code #: 00161191

Container Type: Truck

Detailed Description of Process Generating Waste: Tank wash water (last containing n-hexamethyl amine)

Color: Grey

**Odor:** Hydrocarbon

**pH:** 3-11

**Physical State:** 

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information	·				
Company:	Texmark Chemicals, Inc	·				
Address :	900 Clinton Drive	·				
City, State, Zip:	Galena Park TX 77547					
Contact :	Linda Salinas		Ti	itle :	Environmental Manag	er
Phone No:	(713) 455-1206	_	Fa	ax:	713-455-8959	
24 / HR Phone:	(713) 455-1206					· · · · · · · · · · · · · · · · · · ·
U.S EPA I.D No:	TXD088363692					
State i.D:	30654		Si	IC Code		
SECTION 2: Billing	Information					
Company :	Texmark Chemicals, Inc					
Address:	900 Clinton Drive					
City, State, Zip:	Galena Park TX 77547					
Contact :	Linda Salinas		Ti	itle :	Environmental Manag	er
Phone No:	(713) 455-1206		Fa	ax:	713-455-8959	
*						
	al Description of the Waste	<u> </u>				
Name of Waste:	Process Wastewater					
Detailed Descrip	tion of Process Generat	ing Waste:				
Tank wash water	(last containing n-hexame	ethyl amine)				
Dhysical State	□ Liquid	□ Sludgo	☐ Powde	or		
Physical State :	Liquid	Sludge	L			
	☐ Solid	Filter Cake	Comb	ination		
Color:		Grey Odor:			Hydrocarbon	
Specific Gravity (	/Mater=1) ·	Density:			lbs / gal	
Specific Gravity			Density.		<u> </u>	ibs / gai
Layers :	✓ Single-Phas	☐ Multi-Phas	se			
Container Type :	☐ Drum ☐	Tote ✓	Truck	ther (exp	olain)	
Container Size :		<u>.                                    </u>	130 bbl			
Number Of Units	: 5000				<del></del>	
Texas State Was		00161191				
	Waste Code No :		 on-RCRA/Non DO	T regulat	ed process wastewater	•
* *	ing francisco <del>Till</del>					
Class :	UN/NA		PG:		. ·	RQ:
	<del></del>	<del></del>				0 " 1
Flash Poin	· · · · · · · · · · · · · · · · · · ·	Rea	ctive Sulfides	React	tive Cyanides	Solids
>200	3-11		<20 mg/l		<20 mg/l	0-2 %
Oil and Grea	and the second s	1	Zinc		Copper	Nickel
>1500	ma/l N/A	ma/l	N/A ma/l	1	N/A ma/l	N/A ma/l

NAME OF THE PARTY

The wa	Ste consists of the following materials	Concentration  Ranges are acceptable	Units or %
<del></del>	N-Hexamethyl amine	10	%
	Water	90	%
	·		
ECTION 5: Safety Related	l Data		
the handling of this w	aste requires the use of special protective equip	oment, please explain.	
Standard PPE Required			
ECTION 6: Attached Supp	porting Documents		
ist all documents, note	es, data, and/or analysis attached to this form as	part of the waste approval package.	
lone			
ECTION 7: Incompatibiliti	les		
lease list all incompati	bilities (if any):		
Ione Known			
ECTION 8: Generator's Ki			
aboratory analysis of ti ollowing generators kn	he hazardous waste characteristics, listed below	v, WAS NOT PERFORMED based upo	on the
CLP Metals :	<u>X</u>		
CLP Volatilies :	<u>X</u>	e e	
CLP Semi-Volatiles :	<u>X</u>		
Reactivity:	<u>X</u>		
Corrosivity :	<u>X</u>		
gnitability :	<u>X</u>		
ECTION 9: Generator's Co	ertification		
bove and attached des	ned herein is based on  generator knowledge cription is complete and accurate to the best of ssions of composition properties exist and that the materials tested are representative of all materials	my knowledge and ability to determinal known or suspected hazards have	ne that no
sclosed. I certify that			
		Date: 12/7/2005	
authorized Signature :	Linda Salinas / Environmental Manager	Date : 12/7/2005	
Authorized Signature :	Linda Salinas / Environmental Manager  OT WRITE IN THIS SPACE)	Date : 12/7/2005  Additional Information	1.

Rejected

Approved

1253

Status :

Date: 12-7-05

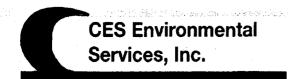
Approval Number:

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 4	37		Andrew States States of Antonion	narovijenska je
Is this	material a wastewater or wastewater sludge ?	✓ YES	□ NO		
If 'YES	S', complete this section				
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO AP	PROPRIATI	E CATEG	ORY, GO TO THE N	EXT PAGE
Matal	s Subcategory: Subpart A				
	Spent electroplating baths and/or sludges				
	Metal finishing rinse water and sludges				
	Chromate wastes				
	Air pollution control blow down water and sludges	;			
	Spent anodizing solutions				
	Incineration wastewaters				
	Waste liquid mercury				
	Cyanide-containing wastes greater than 136 mg/l				
	Waste acids and bases with or without metals				
	Cleaning, rinsing, and surface preparation solutio	ns from elec	ctroplating	or phospha	
	Vibratory deburring wastewater				
	Alkaline and acid solutions used to clean metal pa	arts or equip	ment		
Oils S	ubcategory: Subpart B				
	Used oils				
	Oil-water emulsions or mixtures				
	Lubricants				
	Coolants				
	Contaminated groundwater clean-up from petrole	um sources			
	Used petroleum products				
	Oil spill clean-up				
	Bilge water				
✓	Rinse/wash waters from petroleum sources				
	Interceptor wastes				
	Off-specification fuels				
	Underground storage remediation wastes				
	Tank clean-out from petroleum or oily sources				
	Non-contact used glycols				
	Aqueous and oil mixtures from parts cleaning ope	rations			
	Wastewater from oil bearing paint washes				
Organ	ics Subcategory Subpart C Landfill leachate				
	Contaminated groundwater clean-up from non-pe	troleum sou	rces		
	Solvent-bering wastes	noicam coa	1000		
	Off-specification organic product				
	Still bottoms				
	Byproduct waste glycol				
	Wastewater from paint washes				
	Wastewater from adhesive and/or epoxies formula	ation		•	
	Wastewater from organic chemical product opera				
	Tank clean-out from organic, non-petroleum source				
البساري	2.3 Cat ii citt a gatiloj tion poti cio din codit				

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	<ul><li></li></ul>
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



## Waste Pre-Acceptance/Approval Letter

Date 12/12/2005

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1253

Generator: Texmark Chemicals, Inc.

Address: 900 Clinton Drive

Galena Park, TX 77547

#### **Waste Information**

Name of Waste: Process Wastewater TCEQ Waste Code #: 00161191

Container Type: Truck

Detailed Description of Process Generating Waste: Tank wash water (last containing n-hexamethyl amine)

Color: Grey

**Odor:** Hydrocarbon

**pH:** 3-11

**Physical State:** 

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

**特别是在海岸** 

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Information					
Company :	Texmark Chem	nicals, Inc.		_		
Address :	900 Clinton Dri	ve				
City, State, Zip:	Galena Park T	X 77547				
Contact :	Linda Salinas			Title :	Environmental Mana	ger
Phone No :	(713) 455-1206	3		Fax:	713-455-8959	
24 / HR Phone :	(713) 455-1206	3				
U.S EPA I.D No :	TXD088363692	2				
State I.D :	30654			SIC Cod	le	
SECTION 2: Billing	Information					
Company :	Texmark Chem	nicals, Inc.				
Address :	900 Clinton Dri				1 .	
City, State, Zip :	Galena Park TX	X 77547				
Contact :	Linda Salinas			Title :	Environmental Mana	ger
Phone No :	(713) 455-1206	3		Fax :	713-455-8959	
SECTION 3: Genera	al Description of	the Waste				
Name of Waste :	Process Waste	water				
Detailed Descrip	tion of Process	Generating Wa	ıste:			
Tank wash water (	(last containing	n-hexamethyl am	nine)	,		
			_	_ •		
Physical State :	Liquid		Sludge	Powder		
	☐ Solid		Filter Cake	☐ Combination	1	
Color :		Grey	v Od	or:	Hvdro	carbon
	<u></u>					
Specific Gravity (	(Water=1) :		De	nsity :		lbs / gal
Layers :	✓ Single-	Phas 🗀	Multi-Phase			
Container Type :	□ Drum	☐ Tote	<b>✓</b> Truck	Other (e	xplain)	
Container Size :			130 bb			
	5000				<del></del>	
Number Of Units		<del></del> .				
Texas State Wast	te Code No:	00161	191			
Proper U.S. State	Waste Code N	lo:	Non-RCR	A/Non DOT regu	lated process wastewat	er
Class:		UN/NA:		PG:		RQ:
Class .		ON/NA .	<del> </del>	FG		NG
Flash Poin	t I	рН	Reactive Su	ılfides   Re	active Cyanides	Solids
>200		3-11	<20	mg/l	<20 mg/l	0-2 %
Oil and Grea		TOC	7:		Copper	Niekel
>1500	mg/l	N/A mg	Zinc g/I N/A	mg/l	N/A mg/l	Nickel N/A mg/l

The w	COMPONENTS TABLE aste consists of the following materials	Concentration Ranges are acceptable	Units or %
1110 #	Water	90	%
	N-Hexamethyl amine	10	%
ECTION 5: Safety Relate	ed Data		
the handling of this	waste requires the use of special protecti	ve equipment, please explain.	
tandard PPE Required			
		**************************************	
ECTION 6: Attached Su	oporting Documents		
		form as part of the waste approval package.	
lone	and the same of th	approved backgo.	
ECTION 7: Incompatibili	ities		
lease list all incompa	tibilities (if any):		
one Known			
	Knowledge Documentation		
aboratory analysis of ollowing generators k		ed below, WAS NOT PERFORMED based upon	the
CLP Metals :	<u>X</u>		
	•		
CLP Volatilies :	<u>X</u>		
CLP Semi-Volatiles :	<u>X</u>		
eactivity :	<u>X</u>		
orrosivity :	X		
nitability:	<u>X</u>		
ECTION 9: Generator's (	Certification		
bove and attached de eliberate or willful om	scription is complete and accurate to the dissions of composition properties exist a	owledge and/or  analytical data. I hereby content of my knowledge and ability to determine and that all known or suspected hazards have but all materials described by this document.	that no
uthorized Signature		Date: 12/7/2005	
rinted Name / Title :	Linda Salinas / Environmental Manager		
illited Name / Title .			<del></del>
	OT WRITE IN THIS SPACE)	Additional Information	

1253

**Approval Number:** 

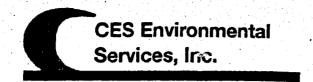
SECT	ON 10: Waste Receipt Classification Under 40 CFR 437	7	elli i leme	i Vista (186), Vitamoro Gracia	o eran Michael Roman	ine dicesso di	CFCLX
Is this	material a wastewater or wastewater sludge ?	✓ YES	□ NO				
If 'YE	S', complete this section	*					
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APP	ROPRIATI	E CATEGOR	Y, GO TO THE NEXT	PAGE		
Matal	s Subcategory: Subpart A						
	Spent electroplating baths and/or sludges						
	Metal finishing rinse water and sludges						
	Chromate wastes						
	Air pollution control blow down water and sludges						
	Spent anodizing solutions						
	Incineration wastewaters			•			
	Waste liquid mercury			46 Final Edition			
	Cyanide-containing wastes greater than 136 mg/l						
	Waste acids and bases with or without metals						
	Cleaning, rinsing, and surface preparation solutions	s from elec	ctroplating or	ohospha			
	Vibratory deburring wastewater						
	Alkaline and acid solutions used to clean metal par	ts or equip	ment				
Oils S	Subcategory: Subpart B						
- "   -	Used oils		•				
	Oil-water emulsions or mixtures						
	Lubricants						
	Coolants						
	Contaminated groundwater clean-up from petroleur	m sources					
	Used petroleum products						
	Oil spill clean-up						
	Bilge water						
<b>✓</b>	Rinse/wash waters from petroleum sources				*		
	Interceptor wastes						
	Off-specification fuels						
	Underground storage remediation wastes						
	Tank clean-out from petroleum or oily sources						
	Non-contact used glycols	*					
	Aqueous and oil mixtures from parts cleaning opera	ations					
	Wastewater from oil bearing paint washes						
Orgar	nics Subcategory Subpart C			$(x_1, \dots, x_n) \in \mathbb{R}^n$			
	Landfill leachate						
	Contaminated groundwater clean-up from non-petro	oleum sou	rces				
	Solvent-bering wastes						
	Off-specification organic product						
	Still bottoms						
	Byproduct waste glycol						
	Wastewater from paint washes	÷ .					
	Wastewater from adhesive and/or epoxies formulat	tion					
	Wastewater from organic chemical product operation	ons	•				

Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	✓ Oils Subcatego
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Receiving Report**

Profile #: 1253		
Generator: TEXMARK CHEMICALS		
Address: 900 CLINTON DRIVE		
Name of Waste: PROCESS WASTEWATER		<del></del>
TOPO Waste. Process Col. (a) 191		
TCEQ Waste Code Number: Ol 61191	<del></del>	
Incompatibilities: NONE KNOWP Safety Related Data/Special Handling: STANDAP-D PP		
Safety Related Data/Special Handling: SI ANDAY D PP	<u>e</u>	
Waste Sample Data  Color of Sample:  Bro✓r		
Physical Appearance	April 1	
Liquid Solid		
Multiphase Liquid Solid	Sludge	
Describe:		
<ul> <li>Matches description from the waste profile:</li> <li>Matches general composition from the waste profile:</li> <li>pH of liquid (water phase): 1.02</li> <li>Odor: HYDROCARBON</li> </ul>	YES	□ NO
<ul> <li>Compatible with proposed mix material:</li> </ul>	YES	□NO
(EPA-600/2-80-076 review if applicable)	. <del></del>	
<ul> <li>Drum process code(s) assigned (see list):</li> </ul>		
Bulk process code assigned (see list):		
Bulk tank assigned: T-9		
Shipment Information Job Confirmation Number: 16476		0000 1 0 000 000 000 000 000 000 000 00
Waste Manifest Number: 3956608		
Date of Shipment: 12/09/05		
Container Type (i.e. drum, tote, etc.): TANKER		
Quantity: 3000 GAL		
A CA	•	(2/0)/-
Analyst/Sampler:	Date:	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

CES ENVIROMENTAL

7137488664

P.002



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Informat	ion											
Company:	Texmark Cl	hemicals, l	nc.										
Address:	900 Clinton	Drive 900	Clinton Dri	ve									
City, State, Zip:	Galena Par	k TX 77547	7										
Contact:	Linda Salina	as					Title :	Ε	nvironir	ientai M	anager		
Phone No:	(713) 455-1	205					Fax :	7	13-455-	8959			
24 / HR Phone:	(713) 455-1	205					_					•	
U.S EPA I.D No :	TXD088363	692					_						
State I.D:	30654						_SIC Co	de _				-	
SECTION 2: Billing	Information												
Company:	Texmark Ch	emicals, ir	nc.										
Address :	900 Clinton			/e								* .	
City, State, Zip :	Galena Pari	x TX 77547	,					<del></del>	-,				
Contact :	Linda Salina	16					Title :	Er	vironm	ental Ma	anager		
Phone No:	(713) 455-13	206					- Fax :	_	3-455-0				
SECTION 3: Gener	at Description	of the Was	ts.										
Name of Waste :	Process Wa	stewater											
Detailed Descript	ion of the P	rocess Ge	nerating W	aste:									
Tank wash water (			_										
Physical State :	Liqui	ld	iii Sh	ıdge		R Po	wder						
	P Sollo	ì	FIN	ar Cake		€ Co	mbination	1					
Calor :	• .		Grey		Od	lor:				Ну	drocarb	on	
Specific Gravity (	Water≃1) :				De	nsity :		_				1	bs / gal
Does this material c	ontain any to	tzi phenoik	compound	67	Ye	<b>A</b>	☐ No						
Does this material c	ontain any pa	ra subatitu	ted phenolic	: compou	nds?	. (	Yes	•	₃ No				
s the Waste subjec	t to the benze	ne waste o	peration NE	SHAP7 (4	0 CFR (	Part 61,	Subpart F	F)		Yes		No	
2812 2813 2	816 2819	2821 28	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	869 2873	2874 26	76 2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
ayers :	<b>⊘</b> Singi	le-Phae	₩ Mu	lu-Phase	<b>.</b>								
Container Type :	📰 Dnin		Tote		Truck		Other (e	xplaii	n)		<u> </u>		
Container Size :	130 bi												
lumber Of Units :	5	<del></del>											
is this a USEPA "H	azardous Wa	ste <sup>n</sup> por 40	D CFR 261.3	17		Yes	☐ No			•			
If "Yes", then plea	ase complete, :	sign and dat	e the Underly	/ing Hazar	tious Co	onstituer	its Form at	tached	hereto				
if "Yes", is it:	D001	D002	□ D003										

JUN 04 Jun-04-2008		EN A I KOMENTAL	3 455 8959 TO 71367	61676 P.03/
• .	<b>B000</b>		D011	
naracteristics for Texic	Organics: D012 thru D04	3 (please list all that apply)		
this an "F" or "K" Liste	d waste or mixed with on	e? 🗍 Yes 🔲 No		
If "Yes", then please	list ALL applicable codes:			"
this a commercial proc 1.33(e) or (f)?	duct or spill cleanup that v	would carry a "U" or "P" was	te code under 40 CFR	Yes No
If "Yes", then please	list ALL applicable codes:			
cas State Waste Code	No: 001611	91		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
per U.S. State Waste	Code No :	Non-RCRA/Non DO	Tregulated process waster	vater
aes:	UN/NA:	PG:		RQ:
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solida
>200	3-11	<20 mg/l	<20 mg/l	0-2 %
Oll and Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	N/A mg/l	N/A mg/l	N/A mg/i	N/A mg/l
	COMPONENTS TABLE product consists of the N-Hexamethyl amine	2. 72. 22. 12. (12.12. a.d a.m) 2. 1401 7. 2. 2. 1401 14. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17	Concentrat  Ranges are acc	Breneric Prints and Sant Wich
	N-nexametryi amine Water		90	. %
TION 5: Safety Related I e handling of this wa Idard PPE Required		pacial <b>protectiv</b> e equipme	nt, please explain.	
TION 6: Attached Suppo	rting Documents			
ell documents, notes s	, data, and/or analysis a	ttached to this form as par	t of the waste approval p	ackage.
ION 7: Incompatibilities	<b>;</b>			
se list all incompatibl	lities (if any):			
Known				
_				
70N B: Generator's Kno				
iratory analysis of the Wing generators know	: hazardous waste chara viedoe	cteristics, listed below, W	AS NOT PERFORMED bas	sed upon the
Metals ;	<u>X</u>			
Volatilles :	X			
Semi-Volatiles :	<u>x</u>			
tivity:	<u>X</u>			
activity:	X	2		

JUN 04 '08 14:34 FR TEXMARK CHEMICALS JUN-U4-2008 U9:19 CES ENVIROMENTAL

Ignitability:

X

SEC	TION 9: Waste Receipt Classification Under 40 CFR 437
is th	is material a wastewater or wastewater studge?
	ES', complete this section
PLE	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Mat	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste flouid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, finsing, and surface preparation solutions from electropiating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
•	
	Subcategory: Subpart B
П	Used oils
	Oil-water emulsions or mixtures
	Lubricante
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum ar oily sources
<u> </u>	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from ail bearing paint washes
<b>W</b> MeI	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
$\exists$	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
ב ב	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations

713 455 8959 TO 7136761676

P.05/05

(1)	f the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	f the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmlum: 0.2 mg/L Chromium: 6.9 mg/L Copper: 4.9 mg/L Kickel: 37.5 mg/L
(3)	the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
-	Metals Subcatego
.	Oils Subcatego
İ	Organics Subcategory
SEC	TION 19: Additional Instruction
conc	mium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these entrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
abov delii diec	Information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the e and attached description is complete and accurate to the best of my knowledge and ability to determine that no erate or willful omissions of composition properties exist and that all known or suspected hazards have been osed. I certify that the materials tested are representative of all materials described by this document.  Therefore the properties are representative of all materials described by this document.
Prin	ad Name / Title : Linde Salinas / Environmental Manager
CE	USE ONLY (DO NOT WRITE IN THIS SPACE) Process Facility Information :
Cor	charge \$0.13/gal septiance Officer: Prabhakar Thangudu \$65/hr trans
Dat	: 12/7/2006 Status: Approved Rejected

1253

Total P.005 PAGE.05

Approval Number:

JUN 04 '08 14:34 FR TEXMARK CHEMICALS



TEXMARK CHEMICALS, INC. 900 CLINTON DRIVE P.O. BOX 67 **GALENA PARK, TX 77547 TELEPHONE NUMBER 713/455-1206** FAX NUMBER 713/455-8959

# **FAX COVER SHEET**

то:	teabhakar Thanguden
COMPANY:	CES Equironmentar
FAX NUMBER:	713-676-1676
FROM:	Bob Kanteman
DATE:	6-3-08
NUMBER OF PAGES: (including cover page)	
1	Is per our phone conversation
	Bb K

L'au



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

**pH:** 3-11

## Waste Pre-Acceptance/Approval Letter

Date 2/28/2006

Dear Hern Loraine

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1259

Generator: Altivia Corporation

Address: 1632 Haden Rd

Houston, TX 77015

#### Waste Information

Name of Waste: Storm Water TCEQ Waste Code #: 00102051

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Removal of storm water from tank battery

Color: Clear

cal State: Liquid

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

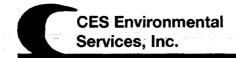
Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Odor: None

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	ator Information									
Company:	Altivia Corporation	on								
Address :	1632 Haden Rd									
City, State, Zip:	Houston TX 770	15								
Contact:	Herne Loraine				Titl	le :				
Phone No:	(713) 450-4600				Fax	<b>k</b> :	(713) 450	)-4699		
24 / HR Phone :										
U.S EPA I.D No:	TXD000607457									
State I.D:	31956				SIC	Code				
SECTION 2: Billing	Information									
Company:	Altivia Corporatio	n								1
Address :	1632 Haden Rd									
City, State, Zip:	Houston TX 7701	15								
Contact :	Herne Loraine				Titl	e :				
Phone No:	(713) 450-4600				Fax	<b>(</b> :	(713) 450	-4699		
050510110										
SECTION 3: General		e Waste						•		
Name of Waste:										
Detailed Descript	tion of Process G	enerating	y Waste:							
Removal of storm	water from tank b	attery								
Physical State :	<b>✓</b> Liquid		Sludge		Powder	•				
	☐ Solid		☐ Filter C	ake	Combin	nation				
Color :			Clear	Odo	or:			Nor	пе	
Specific Gravity (	Water=1) :		1	Den	sity:		-	8.34	lb	s / gal
Layers :	✓ Single-Pl	nas	Multi-F	hase						
O										
Container Type :	Drum		Tote ✓	Truck		er (exp	lain) _		····	
Container Size :				130 bbl	<u></u>		· .			
Number Of Units	: 20000	_								
Texas State Wast	te Code No :	00	102051							
Proper U.S. State	Waste Code No	:	·	Non-R	CRA/Non [	OOT reg	julated wa	stewater		
Class:	<u></u>	JN/NA :	-		PG :		· · ·		RQ :	."
Flash Poin >200	t	рН 3-11	F	Reactive Sul	fides mg/l	React	tive Cyan <20	ides mg/l	Solids 0-2	%
Oil and Grea		TOC N/A	ma/l	Zinc N/A	ma/i		Copper N/A	ma/l	Nickel N/A	ma/l

COMPONENTS TABLE  The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %
Lube Oils	1-2	%
Diesel	1-2	%
Dirt/Sand	0.01-0.5	%
Alum	0.01-0.05	%
Water	95-98	%
Glutanaldehyde	0.005-0.01	%

COMPONENTS TABLE	Concentration	Unit
The waste consists of the following materials	Ranges are acceptable	or %
Lube Oils	1-2	%
Diesel	1-2	%
Dirt/Sand	0.01-0.5	%
Alum	0.01-0.05	%
Water	95-98	%
Glutanaldehyde	0.005-0.01	%
CTION 5: Safety Related Data  he handling of this waste requires the use of special protective equi andard PPE Required	pment, please explain.	
CTION 6: Attached Supporting Documents		

<b>SECTION 8:</b>	Generator's	Knowledge	Documenta	tion

Please list all incompatibilities (if any):

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

**TCLP Metals:** 

**SECTION 7: Incompatibilities** 

TCLP Metals are below regulatory limits

**TCLP Volatilies:** 

TCLP Volatiles are below regulatory limits

**TCLP Semi-Volatiles:** 

TCLP Semi-Volatiles are below regulatory limits

Reactivity:

None Known

No reactive materials are present

Corrosivity:

pH is neutral

Ignitability:

No ignitable materials are present

**SECTION 9: Generator's Certification** 

The information contained herein is based on 🗹 generator knowledge and/or 🗀 analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

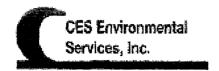
Printed Name / Title :	The Oct	elm	· · · · · · · · · · · · · · · · · · ·	· ·				
CES USE ONLY (DO NOT W	RITE IN THIS	Additional Information						
Compliance Officer :	obhah	Phagi	4					
Date: 12/12/2005	Status :	Approved	Rejected					
Approval Number :		1259					•	-

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437	
ls this	material a wastewater or wastewater sludge ? YES NO	
If 'YE	S', complete this section	
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAG	ŝΕ
Matal	s Subcategory: Subpart A	
	Spent electroplating baths and/or sludges	
	Metal finishing rinse water and sludges	
	Chromate wastes	
	Air pollution control blow down water and sludges	
	Spent anodizing solutions	
	Incineration wastewaters	
	Waste liquid mercury	
	Cyanide-containing wastes greater than 136 mg/l	
	Waste acids and bases with or without metals	
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha	
	Vibratory deburring wastewater	
	Alkaline and acid solutions used to clean metal parts or equipment	
Oils S	Subcategory: Subpart B	
	Used oils	
	Oil-water emulsions or mixtures	
	Lubricants	
	Coolants	
	Contaminated groundwater clean-up from petroleum sources	
	Used petroleum products	
	Oil spill clean-up	
	Bilge water	
	Rinse/wash waters from petroleum sources	
	Interceptor wastes	
	Off-specification fuels	
	Underground storage remediation wastes	
<b>✓</b>	Tank clean-out from petroleum or oily sources	
	Non-contact used glycols	
	Aqueous and oil mixtures from parts cleaning operations	
ا لیا ،	Wastewater from oil bearing paint washes	
•	and the same of th	
<u>Orgar</u>	nics Subcategory Subpart C Landfill leachate	
	Contaminated groundwater clean-up from non-petroleum sources	
	Solvent-bering wastes	
	Off-specification organic product	
	Still bottoms	
	Byproduct waste glycol	
	Wastewater from paint washes	
	Wastewater from adhesive and/or epoxies formulation	
	Wastewater from organic chemical product operations	
	Tank clean-out from organic, non-petroleum sources	
╙ .		

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	✓ Oils Subcategory
•	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Graps Road Houston, TX 77021 Tel (713) 676-1460 Fax. (713) 876-1678

### Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1259

Customer:

Altivia Corporation

Waste Generator:

Altivia Corporation

Waste Stream Name:

Storm Water

Expiration Date:

3/1/2008

As per our waste analysis plan. CES Environmental Services, Inc. requires recentification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator bereby certains that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Cleek Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recentification.

The following analysis is required for recentification. Please sambit results of the following tests.

Please send new profile as waste stream

TCLP Metals

TCLP Volatiles TCLP Semi-volatiles

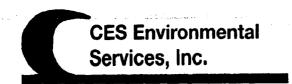
Reactivity

Corrosivity

ignitability

RCRA metals

Miller Transporters 1261 Profile # 1261



## **Waste Pre-Acceptance/Approval Letter**

Date 12/13/2005

Dear Ed Wickham

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1261

Generator: Miller Transporters

Address: PO Box 386

Channelview, TX 77530

#### Waste Information

Name of Waste: Wastewater - Class I Non-Hazardous

**TCEQ Waste Code #:** 00181101

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Wastewater generated from external cleaning of transportation equipment and internal

rinsing of tank trailers

Color: Varies

Odor: Oil like

**pH:** 2.1-12.4

Physical State: Liquid Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	ator Information	on									
Company :	Miller Transp	porters	· · · · · · · · · · · · · · · · · · ·								
Address :	PO Box 386	i									
City, State, Zip :	Channelviev	v TX 77530									<del> </del>
Contact :	Ed Wickham	n				Title	e:				
Phone No :	(281) 457-63	348				Fax	<b>(</b> :	(281) 457	7-6028		
24 / HR Phone :										,	
U.S EPA I.D No :	TXD981053	325						•			
State I.D :	40614					sic	Code				
SECTION 2: Billing	Information										
Company :	Miller Transp	porters								<u> </u>	1
Address :	PO Box 386	•									<u> </u>
City, State, Zip:	Channelviev										
Contact :	Ed Wickham	<u>n</u>			·	Title	e:				
Phone No :	(281) 457-63	348				Fax	₹:	(281) 457	7-6028		
SECTION 3: Genera	al Description	of the Waste	,								
Name of Waste :				ous							
Detailed Descrip											
Wastewater gene			_		equipm	ent and in	iternal r	insing of t	ank trailers		
Physical State :	<b>√</b> Liqui			udge	٠,١	Powder				,	
Fliggiodi Guito .				_	, L						•
	☐ Solid	<b>i</b>	⊢ ∐ Fii	lter Cake	· L	Combin	ıation				
Color :			Varies		Odor	r:			Oi	il like	
Specific Gravity (	(Water=1) :		.99-1.01		Dens	sity :			8		lbs / gal
Layers :	☐ Sing	le-Phas	<b>☑</b> Mı	ulti-Phase	<b>:</b>						
Container Type :	☐ Drun	n 🗌	Tote	<b>y</b> 1	Truck	☐ Oth	ner (exp	olain)			
Container Size :					5000						1
Number Of Units	: 1				5000					e	
Texas State Was		<del></del>	0018110	1							
Proper U.S. State					Non-RC	CRA/Non E	DOT re	gulated rin	ise water		
Class:		UN/NA :						<del>,</del>			<u> </u>
Class	<del></del>	Unina.		<del></del>		PG :				RQ :	
Flash Poin	nt	рН		React	ive Sulfi	idee	Reac	tive Cyan	idae	Solid	, 
>200		2.1-12.4		Nouce	0	mg/l	Neac	0	mg/l	0-1	
Oil and Grea	se	тос			Zinc			Copper		Nicke	el
>1500	mg/l	>1500	ma/l	1	BRI	ma/l		BRI	ma/l	RDI	

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Oils	0-1	%
Solids	0-1	%
Alcohol, Amines	0-1	%
Water	99-100	%

Oils	0-1	%
Solids	0-1	%
Alcohol, Amines	0-1	%
Water	99-100	%
ECTION 5: Safety Related Data		
the handling of this waste requires the use of special protective equitandard PPE	pment, please explain.	
lailualu FFL		
		I.
ECTION 6: Attached Supporting Documents		
ist all documents, notes, data, and/or analysis attached to this form a	s part of the waste approval package	
nalysis	, ,	
	•	
ECTION 7: Incompatibilities		
lease list all incompatibilities (if any):		
one		
••••• ••••••		
ECTION 8: Generator's Knowledge Documentation		
aboratory analysis of the hazardous waste characteristics, listed belo	WAS NOT PERFORMED based up	on the
aboratory analysis of the nazardous waste characteristics, listed belo bllowing generators knowledge	W, WAS NOT PERFORMED based up	on the
CLP Metals: ×		
	·	
CLP Semi-Volatiles : <u>x</u>		
eactivity: <u>x</u>		•
orrosivity: <u>x</u>		1
gnitability: <u>x</u>		
ECTION 9: Generator's Certification		•
he information contained herein is based on 🗹 generator knowledg	ie and/or 🗸 analytical data. I hereby	
bove and attached description is complete and accurate to the best of leliberate or willful omissions of composition properties exist and that lisclosed. I certify that the materials tested are representative of all m	of my knowledge and ability to determ It all known or suspected hazards hav	
bove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and tha	of my knowledge and ability to determ It all known or suspected hazards hav	
bove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and that isclosed. I certify that the materials tested are representative of all materials described by the composition of the best of the best of the composition of the best of the best of the best of the composition of the best of	of my knowledge and ability to determ it all known or suspected hazards have aterials described by this document.  Date: 12/3/2005	
bove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and that is closed. I certify that the materials tested are representative of all materials described by the composition properties exist and that is closed. I certify that the materials tested are representative of all materials described by the composition of the composition o	of my knowledge and ability to determ it all known or suspected hazards have aterials described by this document.  Date: 12/3/2005	e been
bove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and that isclosed. I certify that the materials tested are representative of all materials described by the composition of the best of the composition of the composi	of my knowledge and ability to determ it all known or suspected hazards have aterials described by this document.  Date: 12/3/2005  Manager	e been
bove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and that is closed. I certify that the materials tested are representative of all materials described by the composition properties exist and that is closed. I certify that the materials tested are representative of all materials described by the composition of the composition o	of my knowledge and ability to determ it all known or suspected hazards have aterials described by this document.  Date: 12/3/2005  Manager	e been
bove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and that is closed. I certify that the materials tested are representative of all materials described and the exist and that is closed. I certify that the materials tested are representative of all materials described and the exist and the isolated are representative of all materials described are repr	of my knowledge and ability to determ it all known or suspected hazards have aterials described by this document.  Date: 12/3/2005  Manager	e been
cove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and that is closed. I certify that the materials tested are representative of all materials described and the exist and that is closed. I certify that the materials tested are representative of all materials described and the exist and the isclosed. I certify that the materials tested are representative of all materials described and the exist and the isclosed are representative of all materials described are representative of all materi	of my knowledge and ability to determ it all known or suspected hazards have aterials described by this document.  Date: 12/3/2005  Manager	e been
bove and attached description is complete and accurate to the best of eliberate or willful omissions of composition properties exist and that is closed. I certify that the materials tested are representative of all materials described and the eliberate of all materials described and the eli	of my knowledge and ability to determ it all known or suspected hazards have aterials described by this document.  Date: 12/3/2005  Manager	e been

	ONLY (DO NOT W	bhn RIV	· .	Additional Information	
Compliand	e Officer: Prat	hakar Thang	udu/		
Date :	12/12/2005	Status :	Approved	Rejected	
Approval N	łumber :		1261		: :

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437	-7
ls this	material a wastewater or wastewater sludge ? ✓ YES □ NO	
If 'YES	S', complete this section	
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE	
Matal	s Subcategory: Subpart A	
	Spent electroplating baths and/or sludges	
	Metal finishing rinse water and sludges	
	Chromate wastes	
	Air pollution control blow down water and sludges	
	Spent anodizing solutions	
	Incineration wastewaters	
	Waste liquid mercury	
	Cyanide-containing wastes greater than 136 mg/l	
	Waste acids and bases with or without metals	
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha	
	Vibratory deburring wastewater	
	Alkaline and acid solutions used to clean metal parts or equipment	
Oils S	Subcategory: Subpart B	
	Used oils	
	Oil-water emulsions or mixtures  Lubricants	
	Coolants	
	Contaminated groundwater clean-up from petroleum sources	
	Used petroleum products Oil spill clean-up	
	Bilge water	
<b>✓</b>	Rinse/wash waters from petroleum sources	
<u> </u>	Interceptor wastes	
	Off-specification fuels	
$\Box$	Underground storage remediation wastes	
	Tank clean-out from petroleum or oily sources	
$\Box$	Non-contact used glycols	
	Aqueous and oil mixtures from parts cleaning operations	
	Wastewater from oil bearing paint washes	
Orgai	nics Subcategory Subpart C	
	Landfill leachate	
	Contaminated groundwater clean-up from non-petroleum sources	
	Solvent-bering wastes	
	Off-specification organic product	
	Still bottoms	
	Byproduct waste glycol	
	Wastewater from paint washes	
	Wastewater from adhesive and/or epoxies formulation	
	Wastewater from organic chemical product operations	
1 1	Tank clean out from argania, non natroloum sources	

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	✓ Oils Subcatego
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Class I Non Haz. W.W.

# HAZARDOUS OR INDUSTRIAL WASTE STREAM NOTIFICATION FORM

The Texas Solid Waste Disposal Act authorizes the Texas Natural Resource Conservation Commission (TNRCC) to regulate all industrial waste and municipal hazardous waste activities in Texas. Use this form to notify the TNRCC of generation of a new waste or to re-code an existing waste stream from a 6-digit to an 8-character Texas waste code. This information will be added to your site's Notice of Registration (NOR) Do NOT use this form to notify the TNRCC of changes to 8-digit waste codes already on your NOR. The State of Texas Environmental Electronic Reporting System (STEERS) may benefit your facility's environmental reporting. With this system, you have the ability to add waste streams electronically to your NOR. If you have any questions or comments concerning STEERS, please call the STEERS helpline at (512) 239-6925.

you have any questions or	comments concerning	STEERS, please ca	If the STEERS helpline at	(512) 239 <del>-69</del> 25.
All information is require	d for a complete not	ification, unless ot	herwise indicated.	. 1
Refer to the instructions	accompanying this	lorm <u>before</u> you be	gin filling out the form.	
TNRCC Solid Waste Ro	egistration Number:	तिठहात	EPA ID: TX 69	81053325
COMPANY NAME:				
GENERATING SITE LO	CATION: 1585	55 Wood D	rive Channelvie	W. Texas
• •	•	· .	• •	e does not have a 6-digit
Texas waste code.				· · · · · · · · · · · · · · · · · · ·
If this waste has a 6	-digit Texas waste c	ode, previously as	signed by TNRCC, ente	r the code balow.
New re at to Guard	ton 0 and provide a	complete notificat	on to assign a Texas w	aste code.
		1 3		:
2. Sequence Number		↑ Code.	4. Classification.	·
•	vaste, all supporting	information, docu	nentation, and rationale	must be attached to this
notification.				
5. Description of Was	ste/Generating Pro	cess/Date of Initi	al Generation.	
Wastewate	r - Generated	from exte	rnal Cleaning o	of transportation
equipment av	nd internal r	insing of t	ank trailers.	
	<u> </u>			
(Continue on separate p	pages if necessary.)			
				· · · · · · · · · · · · · · · · · · ·
TNRCC-0002A (07-01-08)				

Fax: 281-457-6028

MILLER TRANSPORTERS

	REGISTRATION NUM		
OMPANY NAME: 🔟	Miller Transport	ers. Inc.	
. Origin Codes. Prin Other Applicable Or	nary Origin Code:	: : :	
1 Onsite	2 Spill cleanup	3 From nonhazardous waste management	4 Received/no recycling or treatment
5 From hazardous waste manageme	6 Publicly funder ent cleanup	d 7 Corrective action or closure	8 Reserved (Do not use this number.)
4, 6, and 7 can onl Code, do not list a	y be identified as Prima ny other origin codes.	ry Origin Codes. If you selec	ted 4, 6, or 7 as the Primary Origi
waste generated fr	om the production of a No	Hew chemical substance:	y) is this a Class 2 or Class 3
if YES, all support	ing information, docume	entation and rationale must be	e submitted with this notification.
8. Company Waste	ID. (Optional)	) }	
9. Waste Managemen	nt Location.	2	
Answer both ques a. Is this waste s b. Is this waste s	tions: hipped or managed off- tored or otherwise man	site?	□ No
Notice include	of Registration (NOR) to waste code on unit for	Unit Sequence Numbers if unit	it is already on NOR. If unit is new
00	\$		
<del></del>			
(Continu	ue pn separate pages.)		
		3	
11		1.9	E 3 AND SIGN AND DATE THE HE REST OF THE FORM.
TNRCC-0002A (07-01-98)		2	

IRCC SOLID WASTE FI	EGISTRATION NUMBER	s: त्ठरात		•.	
OMPANY NAME:	ler Transporters	Inc.			
		·	•	:	•
. EPA Hazardous Wast	e Numbers.			:	
				<b>-</b> .	
1	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \		· .	_ :	
	·				
				<del>-</del> :	
· · · · · · · · · · · · · · · · · · ·				· ·	
(Continue on a separate pa	ige if necessary.)			;	
010 0 de de 2 (Con ello	-had liet & instructions i	• '-		:	<b>\</b> .
Primary SIC Code	ched list & instructions.)		:	. :	
Other Applicable (	Codes			:	
	(Continue on separa	te page if necessary)	•	:	
. Source Codes. (See	attached list & Instruction	ns.)	:		
Primary Source C		<b>A</b>		:	•
Other Applicable	JODES A,A	-	,		
	(Continue on separe	ite page if necessary)			
		7	•	:	
3. Mixed Radioactive V	Vaste. 🗌 Yes 📗	No	: : : : : : : : : : : : : : : : : : :		
	for determining the di	antity of the wast	e to be reporte	ed on the	annual repo
Primary Measurer Other Applicable				i	
<b>!</b>		<del></del> 3 .			
	attached list & instruction	ns.) Skip this, unles	ss you selected	#5 as the	Primary Orig
Code in response to C Primary System T					
Other Applicable		<u>, M</u>	<del></del>	•	
		<u>:</u>			
Signature:	1/2 Librach		Date	77	9-47
Telephone number	28/-4576	348		;	
			• • • • • • • • • • • • • • • • • • •	•	
		etum this form to:	120		
	industrial and	Hazardous Waste	Division		
	i exas Naturai Res	ource Conservation PO Box 13087	Commission	:	
	Aus	n TX 78711-3087	:	!	
NRCC-0002A (07-01-98)		<b>3</b>			• .
		1:			



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### USA ENVIRONMENT

Miller Transporter

Method SW3510C

Analysis: Method:

RunID:

Analyels Date:

Preparation Date:

TCLP Semivolatile Organics

SW8270C

Samples in Analytical Batch:

WorkOrder:

03030047

Lab Batch ID:

26036

<u>Method Blank</u>
MICHIGA BIRDIN

P 030305A-1639622

03/05/2003 21:19

03/04/2003 11:20

Units: ug/L Analyst:

Prep By:

GQ

KL

Lab Sample ID 03030047-01C 03030047-02A

Client Sample ID Influent Wastewater

Pit Sludge

Analyte	Result	Rep Limit
1,4-Dichlorobenzene	ND	5.0
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol :	ND	5.0
2,4-Dinitrotoluene	ND	5.0
Hexachlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Hexachloroethane :	, ND	5.0
Nitrobenzene :	. ND	5.0
Pentachlorophenol	· ND	25
Pyridine	ND	5.0
2-Methylphenol	ND	5.0
3 & 4-Methylphenol	ND	5.0
Surr. 2,4,6-Tribromophenol	. 50.7	10-123

#### Leachate Blank

**RuniD**;

Analysis Date:

Leach Date:

Preparation Date:

P\_030305A-1539623

Surr. 2-Fluorobiphenyl

Surr. 2-Fluorophenol Sum: Nitrobenzene-d5

Surr. Phenol-d5

Surr. Terphanyl-d14

03/05/2003 21:49

03/04/2003 11:20 03/03/2003 10:03 Units: ug/L

Analyst: GQ Prep By: KL

Method SW3510C

35-114

10-110

Leach By: LM Method SW1311

64.0

52.0

56.0

Analyte	:	Result	Rep (	Limit
1,4-Dichlorobenzena		ND		:50
2,4,6-Trichlorophenol	-	ND		100
2.4.6-Trichlorophenol	: .	ND	,	-60
2,4-Dinitrotoluene		ND		50
Hexachiorobenzene		ND	· .	50
Hexachiorobutediene	:	ND		50
Hexechloroethane.	:	ND	:	. 50
Nitrobenzene		ND		- 50
Pentachiorophenol		ND		250
Pyridine	!	ND		. 50
2-Methylphenol		ND	<i>*</i> *:	50
3 & 4-Methylphenol		ND	·	50

### Laboratory Control Sample (LCS)

RuniD:

P\_030305A-1599624

Units: ug/L

Analysis Date: 03/05/2003 22:19

Analyst: GΩ

Preparation Date: 03/04/2003 11:20

Prep By: .KL - Method SW3510C

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

\* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply. The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:04 AM

pl.q

Dec 12 2005 17:23

Fax:281-457-6028

WILLER TRANSPORTERS



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## USA ENVIRONMENT

Analysis: Method: TCLP Semivolatile Organics SW6270C WorkOrder: Lab Batch ID: 03030047 26036

•	. 13								
Analyte	Spike Added	Result	Percent Recovery	Lower	Upper Limit				
1,4-Dichldrobenzene	<u>,</u> 250	120	48	;30	150				
2,4,5-Trichlorophenol	250	120	48	·30	150				
2,4,6-Trichlorophenol	250	130	52	30	150				
2,4-Dinitratoluene	250	130	52	:30	150				
Hexachiolobenzene	250	140	56	20	150				
Hexachiorobutadiene	250	150	60	20	140				
Hexachloroethane	250	120	48	30	140				
Nitrobenzene	250	120	48	20	160				
Pentachidrophenol	250	· 85	34	-14	176				
Pyridine	250	110	44	<u>†</u> 1	150				
2-Methylphenol	250	120	48	30	. 160				
3 & 4-Methylphenoi	500	120	24	10	160				
····	100								

#### Matrix Spike (MS)

Sample Spiked:

03030005-03

RuniD:

P\_030305A-1539826

Units: ug/L

Analysis Date: 03/05/2003 23:19 Preparation Date: 03/04/2003 11:20 Analyst: GQ

Prep By: KL Method SW3510C

	17							
Analyte	1	mple esult	Spike Added	. MS Result	MS % Recovery	Low Limit	High Limit	
1,4-Dichlorobenzene		ND	250	170	68	30	150	
2,4,5-Trichlorophenol		ND	250	210	84	30	150	
2,4,6-Trichlorophenol		1 ND	260	200	. 80	· 30	150	
2,4-Dinitrotoluene		ND	250	. 220	: 86	. 30	150	
Hexachlorobenzene		ND	250	210	. 84	20	150	
Hexachlorobutadiene		. ND	250	210	84	20	140	
Hexachioroethane		· ND	250	170	68	30	140	
Nitrobenzene		ND	250	190	76	20	160	
Pentachlorophenol	· ·	ND	250	190	76	• 14	17€	
Pyridine		ND	250	100	40	1	150	
2-Methylphenol		ND	250	190	76	30	160	
3 & 4-Methylphenol		ND	500	190	38	10	160	

Qualiflers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

\* - Recovery Outside Advisable QC Limits

Fax:281-457-6028

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2008 7:57:04 AM

91.9





Prep Method

SW3010A

Prep Date

03/17/2003 9:00

#### HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 680-0901

Gollected: 03/03/2003 11:05 03030088-01 Client Sample ID Influent Wastewater SPL Sample ID: Site: Channelview, TX Analyses/Method Rep.Limit MCL DII. Factor QUAL Date Analyzed Analyst Result-Seq. # TCLP MERCURY MCL SW7470A Units: mg/L Mercury ND 0.0002 0.2 1 03/24/03 16:36 MW 1574733 Prep Method Prep Initials Prep Date SW7470A 03/24/2003 9:00 MW : TCLP METALS BY METHOD 6010B MCL **SW**6010B Units: mg/L 0.2 03/18/03 5:22 EG 1560536 Barium 1.21 100 2 03/18/03 5:22 EG 1560536 Cadmium ND 0.01 2 03/16/03 5:22 EG 1560536 Chromlum ND 0.02 5 2 03/18/03 5.22 EG 1560536 Lead ND 0.1 5 2 1560536 03/18/03 5:22 EG Selenium ND 0.2 2 1560536 03/18/03 5:22 EG Silver 0.02 2 03/18/03 5:22 EG 1560536

Prep Initials

м	I Ga	

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

- Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

3/28/03 11:49:12 AM

91.9

Dec 12 2005 17:23

Fax:281-457-6028

/ MILLER TRANSPORTERS



#### HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID Influent Wa	stewater	C	óllected: (	03/03/2003 11:05	SPL Sample ID:	03030047-01
			ite: Ch	annelview, TX		
Analyses/Method	Result	Rep.Limi		Dil. Factor QUAL	Date Analyzed	Analyst Seq. #
CORROSIVITY	<u> </u>		MCL	SW9040B	Units: pH (	Jnits
Corrosivity	5.5	· : 0	1,000	. 1 .	03/03/03 17:30 L	M 153543
IGNITABILITY		* ;	MCL	SW1010	Unite: °F	
Ignitability.	>212	20	1	1	03/08/03 21:30 D	P 154415
REACTIVE CYANIDE-WATER	.!		MCL	SW7.3.3.2	Units: mg/	
Reactive Cyanide	ND	0.5	÷	1	03/09/03 20:00 E	
REACTIVE SULFIDE - AQUE	OUS		MCL	SW7.3.4.2	Units: mg/l	
Reactive Sulfide	ND ND	10	3	1	03/09/03 19:00 E	
TCLP SEMIVOLATILE ORGA	MOC		MOL	0)1/04700	linite. mail	
1,4-Dichlorobenzene	ND	50	7500	<b>SW8270C</b>	Units: ug/L 03/05/03 23:48 G	
2,4,5-Trichlorophenol	ND	: 100	400000	10	03/05/03 23:48 G	
2,4,6-Trichlorophenol	ND	50	2000	10	03/05/03 23:48 G	
2,4-Dinitrotoluene	ND	50	ž .130	10	03/05/03 23:48 G	
Hexachlorobenzene	ND	50	130	10	03/05/03 23:48 G	
Hexachlorobutadiene	ND	50	§ 500	10	03/05/03 23:48 G	
Hexachioroethane	ND	50	3000	10	03/05/03 23:48 G	
Nitrobenzene	ND	50	2000	10	03/05/03 23:48 G	
Pentachiorophenol	ND	250	100000	10	03/05/03 23:48 'Q	
Pyridine	. ND	50	5000	- 10	03/05/03 23:48 G	
2-Methylphenol	ŅD	50	200000	10	03/05/03 23:48 G	
3 & 4-Methylphenol	. ND	50	400000	10	03/05/03 23:48 G	
Surr: 2,4,6-Tribromophenol	28.0	% 10-123	\$	. 10	03/05/03 23:48 G	
Surr: 2-Fluorobiphenyl	22 MI	% 43-116	ŧ	10	03/05/03 23:48 G	
Surr: 2-Fluorophenol	33.3	% 21-110	<u> </u>	10	03/05/03 23;49 G	
Surr: Nitrobenzene d5	44.0	% 35-114	i ·	10	03/05/03 23:48 G	
Surr: Phenol-d5	32.0	% 10-110	*	10	03/05/03 23:48 G	
Surr: Terphenyl-d14	24 MI	% 33-141	į	10 *	03/05/03 23:48 G	
Prep Method Prep D	ate .	Den Isiti	als Leach M	others I and the	<b>D</b>	
	003 11:20	KL				Leach Initials
00/04/2	400 11.20	NE :	SW1311	03/03/200	3 15:47	LM

Qualifiers;

ND/U - Not Detected at the Reporting Limit:

- B Analyte detected in the associated Method Blank
- \* Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI. - Matrix Interference

3/11/2003 7:56:55 AM



HOUSTON LABORATORY SERVICE BESO INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 560-0901

Client Sample ID Influent Wastewater

Collected: 03/03/2003 11:05

SPL Sample ID:

03030047-01

Site:	Chas	- malluid	w, TX
one:	wildi	HIEIVI	

	·					
Analyses/Method	Result	Rep.Lim	MCL	Dil. Factor QUAL	Date Analyzed Analys	Seq.#
TCLP VOLATILE ORGANICS			MCL	SW0260B	Units: ug/L	
1,1-Dichloroethene	ND	50	700	10	03/06/03 17:18 LT	1541016
1,2-Dichloroethane	ND .	50	500	10 · '	03/06/03 17:18 LT	1541016
2-Butanone	ИD	200	200000	10	03/06/03 17:18 LT	1541016
Benzene	ND	50	500	10	03/06/03 17:18 LT	1541016
Carbon tetrachloride	: ND	50	500	10	03/06/03 17:18 LT	1541016
Chlorobenzene	ŅD	50	100000	10	03/06/03 17:18 LT	1541016
Chloroform	ND	50	£ 6000	10	03/06/03 17:18 LT	1541016
Tetrachloroethene	ND	50	700	10	03/06/03 17:18 LT	1541016
Trichloroethene	ND	50	500	10	03/06/03 17:16 : LT	1541016
Vinyl chloride	ND:	100	200	10	03/06/03 17:16 LT	1541016
Surr: 1,2-Dichloroethane-d4	86.0	6 62-130		10	03/06/03 17:18 LT	1541016
Surr: 4-Bromofluorobenzene	96.0	6 70-130	Ž.	10 .	03/06/03 17:18 LT	1541018
Surr: Toluene-d6	100 9	6 74-122	<del>,</del>	10	03/06/03 17:18 LT	1541018

Leach Method	Leachate Date		Leach Initials	١.
SW1311	03/03/2003 15:49	- ;	I M	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

\* - Surrogate Recovery Outside Advisable QC Umits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

3/11/2000 7:56:55 AM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 560-0901

#### USA ENVIRONMENT

Miller Transporter

Analysis: Method:

Analysis Date:

**RuniD**:

TCLP Volatile Organics

SW8260B

WorkOrder:

03030047

Lab Batch ID:

**A79156** 

Method Blank

Analyst:

L\_030306C-1541015 03/06/2003 11:49

Units:

·ug/L

Lab Sample ID 03030047-01B

Samples in Analytical Batch:

Client Sample ID Influent Wastewater

Analyte		Result	Rep Limit
1,1-Dichloroethene		NE	5.0
1.2-Dichloroethane		NE.	5.0
2-Butanorie	•	NI NI	
Велгеле		NI	
Carbon tetrachioride		NI NI	
Chlorobenzene		NI	5.0
Chloroform		NI NI	
Tetrachloroethene : :	•	NI NI	5.0
Trichlomethane		NI NI	5.0
Vinyl chloride	··	· N	
Sur: 1,2-Dichloroethans-d4		90.	62-130
Surr: 4-Bromofluorobenzene		88.	70-130
Surr. Toluene-d9		98.	74-12

Laboratory Control Sample (LCS)

RuniD: Analysis Date: L\_030308C-1541014

Units:

ug/L

03/06/2003 9:59

Analyst: LT

Analy	1e	٠.	•		Add		Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichlorgethene			• :-		1	50	60	120	35	175
1,2-Dichloroethane			1.		- 1	50	49	98	35	175
2-Butanone				ŀ	1	50	50	100	1.0	175
Benzene					3	50	52	104	35	175
Carbon tetrachloride					Ÿ.	50	55	110	35	.175
Chlorobenzene					;	50	49	98	35	175
Chloroform i	:	· ·	155.7	1	15	50	56	112	35	175
Tetrachloroethene		• •		ŀ	į	50	43	86	35	200
a richloroethene		٠.		7	1	50	47	94	35	175
Vinyl chloride	,		<del></del> -	7	*	50	72	144	35	175
								<u>-                                    </u>		

Matrix Spike (MS)

Sample Spiked: 03030047-01:

**RunID**: **Analysis Date:** 

L\_030306C-1541017 03/06/2003 17:45

ug/L Units:

Analyst: LT

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

\* - Recovery Outside Advisable QO Limits

N/C - Not Calculated - Sample concentration is greate than 4 times the amount of spike added. Control limits do not apply. The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:05 AM

Dec 12 2005 17:23

Fax:281-457-6028

MILLER TRANSPORTERS



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### USA ENVIRONMENT Miller Transporter

Analysis: Method:

TCLP Volatile Organios SW8260B

WorkOrder: Lab Batch ID: 03030047 R79156

		•	• !	3			5	•	:
: 1.	Analyte			mple eault	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
1,1-Dichloroeth	ėne.		<del></del>	ND	500	. 550	110	35	. 175
1,2-Dichloroeth	ane:		(	ND	500	. 460	92	35	175
2-Butanone	•	· .		ND	.500	470	94	10	175
Benzene	1		• ;	ND	500	480	96	35	175
Carbon tetrachi	oride			ND	500	510	102	. 35	175
Chlorobenzene			1 (31	ND	500	. 460	92	35	. 175
Chloroform			T:.:	1 ND	500	530	106	. 35	. 175
Tetrachloroethe	he:			E ND	500	410	82	35	. 200
Trichloroethene				ND	500	450	90	35	, 175
Vinyl chloride			7;	, ND	500	790	158	35	175

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B.- Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

MI - Matrix Interference

D - Recovery Unreportable due to Dilution

\* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:06 AM

P. 20

Dec 12 2005 17:24

Fax:281-457-6028

WILLER TRANSPORTERS



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### USA ENVIRONMENT

Miller Transporter

Analysis: Corrosivity SW9040B Method:

WorkOrder:

09030047

Lab Batch ID:

R78867

Samples in Analytical Batch:

Lab Sample ID 03030047-01A

Client Sample ID Influent Wastewater

Leboratory Control Sample (LCS)

RunID:

WET\_030303L-1535430

Unite: oH Units

Analysis Date:

03/03/2003 17:30

LM

Analyst:

·	1		· · ·		:				2	<u> </u>	•
į	i	Analyte				pike dded	Result	Percent Recovery	Lower		
· · · · · ·				<u>. j.</u>		!				1	٦ ١
Corrosivity	. j	:	•	 1	T	7	7.01	100	99	1	01

#### Sample Duplicate

Original Sample:

RuniD:

Analysis Date:

03030047-01

WET\_030303L-1535431

03/03/2003 17:30

Units:

pH Units

	•	_ , ,		4.		•	_	:
:	Analyte	. :	. ;	Y Carry Canada	Sample Result	DUP Result	RPD	RPD Limit
Corresivity			.:	ķ.	5.5	5.53	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

MI - Matrix Interference

D - Recovery Unreportable due to Dilution :

\* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply. The percent recoveries for QC samples are correct as reported. Due to significant figures and

rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

8/11/2003 7:87:06 AM

12.9

Dec 12 2005 17:24

Fax:281-457-6028

MILLER TRANSPORTERS



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## USA ENVIRONMENT

1					Mille	r Trans	porter	•		•				
Analysis: Method:	Reactive SW7.3.4.	Sulfide - Aq 2	heons	 		PP-W-TAN-					orkO b Ba	rder: Ich ID:	030300 A79290	
		Metho	d Blank	<del>.</del> .		ž	Sar	nples.lı	n Analy	rtical B	atch:	:	:	
RuniD:	WET_0303	309I-1544081	Units:	mg/L	, · . · . f	1	Let	Samp	le ID		. (	lient S	ample ID	
Analysis Date:	03/09/200	03 19:00	· Analyst:	E_\$		i i		30047-		•			Wastewater	1
				7 °						:			•	· · · · · · · · · · · · · · · · · · ·
٠		<i>;</i> .				è				•	:		:	
F	· ·	Analyte		Result	Rep Limi	1	:	•		, `	:			
Į.	eactive Sulfide			NC		43								
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	:	RuniD:			03091-15440	1 = -	nis:	mg/L					:	
	· · .	Analysis	Date:	03/09/20	003 19:00	A	nalyst:	E_S		•				
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· · · · · · · · · · · · · · · · · · ·		Reactive 8	ulfide	· · · ·		100	10	<del></del>	102		35	115	· · ·	
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	•		hai Sample D:		10047-01 _0303091-15	AADD4	Units:							
			vels Date:		9/2003 19:		Analysi	mg/ E_S						•
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. 3.				Analyte		§ Sa		DUP	RP		RPD			. •
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	• • • • • • • • • • • • • • • • • • • •	Reac	tive Sulfide	<del></del>		<u>.</u>	ND	ND		0	: :	20		
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Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference B. Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

D - Recovery Unreportable due to Dilution.

~ - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greate than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

9/11/2003 7:57:08 AM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### USA ENVIRONMENT

Miller Transporter

Analysis:	
:	

Reactive Cyanide-Water

SW7.3.9.2

WorkOrder:

03030047

Lab Batch ID:

R79285

Method Blank

RuniD: Analysis Date WET\_090309K-1544101 03/09/2003 20:00

Units: Analyst:

mg/L E S

Lab Sample ID

Client Sample ID

03030047-01A

Samples in Analytical Batch:

influent Wastewater

Result Rep Limit Analyte Reactive Cyanide

#### Laboratory Control Sample (LCS)

RunID:

WET\_030309K-1544103

mg/L E\_S

03/09/2003 20:00 Analyst: Analysis Date:

				٠.				<u> </u>		٠.
	A	nalyte	: .		Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit	
Reactive C	yanide				· 1	0.923	23	5	50	Ĺ
					7 4 4	- 10				_

#### Sample Duplicate

Original Sample:

Analysis Date:

RuniD:

03030047-01

WET\_030309K-1544105 03/09/2003 20:00

Units:

mg/L

Analyst: E\_S

Analyte			3. 4. 3.	Sample Result	DUP Result	RPD	RPD Limit
Reactive Cyanide	· : :	. :	Ť	ND	ND	0	20
		·	13				<del> </del>

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution:

J - Estimated value between MDL and PQL

\* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply. The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:09 AM

P.23

Dec 12 2005 17:24

MITTER TRANSPORTERS Fax: 281-457-6028



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### USA ENVIRONMENT

Miller Transporter

Ignitability Analysis: Method: SW1010

WorkOrder:

09030047

Leb Batch ID:

A79299

Samples in Analytical Batch:

Lab Sample ID 03030047-01A

Client Sample ID Influent Wastewater

Laboratory Control Sample (LCS)

RuniD:

WET\_030308M-1544

Units:

Analysis Date:

03/08/2003 21:30

DP Analyst:

Analyte Spike Result Percent Added Recovery	Limit	Upper Limit
Ignitability 80 80 100	90	:110

#### Samble Duplicate

Original Sample:

RuniD:

03030047-01

WET\_030308M-1544151

Unite .

Analysis Date: 03/08/2003 21:30 Analyst:

		Ц	2	<u> </u>		1
	Analyte	;	o v special	Sample DUP Result Result	RPD	APD Limit
Ignitability	<u> </u>	;	Ĭ	>212 >212	. 0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J Estimated value between MDL and PQL

\* - Recovery Outside Advisable QC Limits

N.C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply. The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

3/11/2003 7:57:10 AM

P. 24

Dec 12 2005 17:24

Fax:281-457-6028

MILLER TRANSPORTERS

# Sample Receipt Checklist And Chain of Custody

3/11/2003 7:57:11 AM



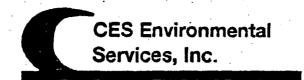
#### HOUSTON LABORATORY 8680 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Sample Receipt Checklist

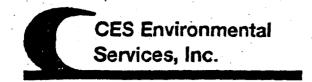
Workorder: 03030047	Received By: NB
	Carrier name: SPL
	Chilled by: Water Ice
1 Simperate of	Yes ☑ No ☐ Not Present ☐
1. Shipping container/cooler in good condition?	Yes W No Not Present
2. Custody seals intact on shippping container/cooler?	Yes ☑ No ☐ Not Present ☐
	Voe □ No □ Not Present ☑
3. Custody seals intact on asmiple bottles?	Yee No Not Present
	Yes ☑ No ☐
4. Chain of custody present?	
5. Chain of custody signed when relinquished and received	Yes 🗹 No 🗆
	Yes ☑ No □
6. Chain of custody agrees with sample labels?	Tes E
7. Samples in proper containen/bottle?	Yes 🗹 No 🗆
/ campios in proper s	
8. Sample containers intact?	Yes 🗹 No 🗆
and the second s	Yes 🗹 No 🗆
9. Sufficient sample volume for indicated test?	
10. All samples received within holding time?	Yes 🗹 No 🗆
11. Container/Temp Blank temperature in compliance?	Yee W No
12. Water - VOA viale have zero headspace?	Yes No No Not Applicable
12. Walter - VOX Vidio Have also ileanopaco.	
13. Water - pH acceptable upon receipt?	Yes 🗹 No 🗌 Not Applicable 🗆
SPL Representative:	Contact Date & Time:
Client Name Confected;	
Non Conformance	
Issues:	
Cilent Instructions;	17
	• •
	3/11/2000 7:57:12

MILLER TRANSPORTERS Fax:281-457-6028

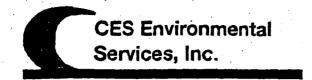
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HE A	Ar	alysis Re	ques						ord		0	30				page	0	ś
ena Name: Miller Trans	savte 15		N.			bottle	size	pres.		,	<u>.</u>	R	eque	sted	Analy	sis		
Micros 15855 (Nee D	De. Cha	nnelveujt	K. 45	7434	<b>2</b> .	Po las	iv.			٠.		1				1		
Mire Coma Buy Cunning	an_			- :	9	ا وا م	6	يَّوْ كِيَ	ner 1		5	1				<b>.</b>		
roject Name:		* · · · · · · · · · · · · · · · · · · ·	· ·		=soil =oth	amb vial	26 65 F	HN03	를		12	7				1	1	
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INFluent wastemanic	3-3-03	11:05 Am		~		A		0	6	/	/	1						
	3-3-03	F .		/		G		0	2	/	1	/						
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Client/Consultant Remarks:					Laborate	ry remad	CS;								Intact	?	Y	N ·
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Profile #: 1260	
Generator: MILLER TRANSPORTERS  Address: PO BOX 386  Name of Waste: FTEST FLUSH WASTE WATER	
TCEQ Waste Code Number: Oo121191 00181101	
Incompatibilities: NONE KNOWN Safety Related Data/Special Handling: STANDARD PPE	
Waste Sample Data Color of Sample: CLEAR to BROWN	
Physical Appearance Liquid Solid Multiphase Liquid Solid Sludge	
Describe:	<del>-</del>
■ Matches description from the waste profile:  ■ Matches general composition from the waste profile:  ■ PH of liquid (water phase):  ■ Odor:  ■ Odor:	□ NO □ NO
■ Compatible with proposed mix material:   (EPA-600/2-80-076 review if applicable)	ON
Drum process code(s) assigned (see list):	
Bulk process code assigned (see list):  Bulk tank assigned:	
Shipment Information	
Job Confirmation Number: 17196  Waste Manifest Number: 3957028	
Date of Shipment: 01 05 106  Container Type (i.e. drum, tote, etc.): +ANKER	
Quantity: 5000 GAC	
Analyst/Sampler: Date:	05/06

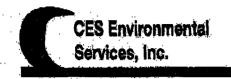


Profile #:	
Generator: MILLER TRANSPORTERS	
Address: PO BOX 386	
Name of Waste: PROCESS WASTE WATER	
TCEQ Waste Code Number: 00 181101	
Incompatibilities: NONE KNOWN	
Safety Related Data/Special Handling: STANDARD	PPE
Waste Sample Data	
Color of Sample: Rown 15M	
<ul> <li>Physical Appearance</li> </ul>	
Liquid  Solid Solid	
Multiphase LiquidSolid	Sludge
Describe:	
Matches description from the waste profile:	✓ YES
• Matches general composition from the waste profile	: ☑ YES ☐ NO
• pH of liquid (water phase):	
· Odor: No Ne	
Compatible with proposed mix material:	✓ YES NO
(EPA-600/2-80-076 review if applicable)	and the state of t
Drum process code(s) assigned (see list):	
Bulk process code assigned (see list):	
Bulk tank assigned:	
Shipment Information	
Job Confirmation Number: 17327	and the second of the second
Waste Manifest Number: 3957083	
Date of Shipment: 01/10/06	
Container Type (i.e. drum, tote, etc.): + ANKER	
Quantity: 5000 GAL	<del> </del>
	1 1
Analyst/Sampler:	Date: 01/10/06



Profile #: 1261		
Generator: MILLER TRANSPORTERS		
Address: PO Box 386		· · · · · · .
Name of Waste: WASTE WATER		
TCEQ Waste Code Number: Ool 81101	_	
	<del>.</del>	
Incompatibilities: Nove Known		·
Safety Related Data/Special Handling: STANDARD PP	e .	
Waste Sample Data		
Color of Sample: BROWNSH  BROWNSH	<u> </u>	
<ul> <li>Physical Appearance</li> </ul>		
Liquid Solid	•	
Multiphase Liquid Solid	Sludge	
Describe:		
<ul> <li>Matches description from the waste profile:</li> </ul>	✓ YES	□NO
• Matches general composition from the waste profile:	⊠ YES	□NO
• pH of liquid (water phase): 6.8	*	
■ Odor: None		
<ul> <li>Compatible with proposed mix material:</li> </ul>	<b>⊠</b> YES	. 🗌 NO
(EPA-600/2-80-076 review if applicable)		
<ul> <li>Drum process code(s) assigned (see list):</li> </ul>	<u> </u>	
Bulk process code assigned (see list):	·	<u> </u>
Bulk tank assigned:		
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
Shipment Information	-	Enter the second
Job Confirmation Number: 17330	·	
Waste Manifest Number: 395 7084		
Date of Shipment: 0()10/06	_	
Container Type (i.e. drum, tote, etc.): TANKER	·	
Quantity: 5000 GAC		
_11 _ 0		
		01/10/06
Analyst/Sampler:	Date:	- 11 (00





## Waste Profile Re-Certification Form

CES Waste Approval	一件:	HOU-1261
		•

Customer:

Miller Transporters

Waste Generator:

**Miller Transporters** 

Waste Stream Name:

Wastewater - Class I Non-Hazardou

**Expiration Date:** 

12/12/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

O TCLP Metals **X**TCLP Volatiles ▼TCLP Semi-volatiles

Please send new profile as waste stream has changed.

X The following analysis is required for recertification. Please sumbit results of the following tests.

**E**Corrosivity **Lemitability** 

**Reactivity** 

Job ID: 09010535



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name : 0109-53 Miller

Report To:

Client Name:

**CES Environmental** 

M

Morgan McCarley

Client Address: 4904 Griggs Rd

City, State, Zip: Houston, Texas, 77021

P.O.#.: 0109-53

Sample Collected By: Sam Brown

Date Collected: 01/27/09

A&B Labs has analyzed the following samples...

Client Sample ID

Matrix

A&B Sample ID

0109-53 Miller Process Water

Water

09010535.01

0109-53 Miller Process Water

Water

09010535.02

Sonia West

Released By: Sonia West

Title:

Senior Project Manager

Date:

2/3/2009



This Laboratory is NELAP (T104704213-08B-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009 Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received: 01/27/2009 10:00

#### LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID: 09010535

Date:

2/3/2009

#### General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit

LCSD Laboratory Check Standard Duplicate surr Surrogate

MS Matrix Spike T Time

MSD Matrix Spike Duplicate TNTC Too numerous to count

MW Molecular Weight

Qualifier D	efinition.
M1	Matrix Spike/Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
M2	Matrix Spike/Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.
V6	CCV recovery is above the control limit for this analyte, however the average %difference for all the analytes meets method criteria.

#### LABORATORY TEST RESULTS

Job ID: 09010535

Date 2/3/2009

Client Name: Project Name: **CES Environmental** 

0109-53 Miller

Attn: Morgan McCarley

Client Sample ID:

0109-53 Miller Process Water

Job Sample ID:

09010535.01

Date Collected: Time Collected:

01/27/09 08:00

Sample Matrix

Water

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit Reg Limit Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point) Ignitability	>150	°F	1		01/29/09 07:00	SG
SW-846 7.3	Reactive Cyanide Reactive Cyanide	BRL	mg/L	1	25	01/28/09 13:35	KS
SW-846 7.3	Reactive Sulfide Reactive Sulfide	BRL	mg/L	1	25	01/28/09 16:00	KS
SW-846 9040C	Corrosivity, pH pH	6.55	s.u.			01/27/09 11:00	RK

#### LABORATORY TEST RESULTS

Job ID: 09010535

Date 2/3/2009

Client Name:

**CES Environmental** 

Project Name:

0109-53 Miller

Attn: Morgan McCarley

Client Sample ID: 0109-53 Miller Process Water

Job Sample ID: 09010535.02

Date Collected: Time Collected:

01/27/09 18:00

Sample Matrix Water

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8260B	TCLP VOC		<u> </u>			<del>-</del>	A		<u> </u>
I.	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6		01/29/09 12:58	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5	V1, V6	01/29/09 12:58	HW
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5		01/29/09 12:58	HW
	Benzene	BRL	mg/L	1	0.13	0.5		01/29/09 12:58	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		01/29/09 12:58	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70		01/29/09 12:58	HW
	Chloroform	BRL	mg/L	1	0.13	6		01/29/09 12:58	HW
	MEK	BRL	mg/L	1	0.13	200		01/29/09 12:58	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		01/29/09 12:58	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		01/29/09 12:58	HW
	Vinyi Chloride	BRL	mg/L	1	0.1	0.2		01/29/09 12:58	HW
	p-Bromofluorobenzene(surr)	105	%	1	70-130			01/29/09 12:58	HW
	1,2-Dichloroethane-d4(surr)	96.2	%	1	70-130			01/29/09 12:58	HW
	Dibromofluoromethane(surr)	98.6	%	1	70-130			01/29/09 12:58	HW
	Toluene-d8(surr)	104	%	1	70-130			01/29/09 12:58	HW
SW-846 8270D	TCLP Semivolatiles								
	1,4-Dichlorobenzene	BRL	mg/L	1	0.05	7.5		01/29/09 16:55	HW
	2,4,5-Trichlorophenol	BRL	mg/L	1	0.05	400		01/29/09 16:55	HW
	2,4,6-Trichlorophenol	BRL	mg/L	1	0.05	2		01/29/09 16:55	HW
	2,4-Dinitrotoluene	BRL	mg/L	1	0.05	0.13		01/29/09 16:55	HW
	2-Methylphenol	BRL	mg/L	1	0.05	200		01/29/09 16:55	HW
	3- & 4-Methylphenols	BRL	mg/L	1	0.05	200		01/29/09 16:55	HW
	Hexachlorobenzene	BRL	mg/L	1	0.05	0.13		01/29/09 16:55	HW
	Hexachlorobutadiene	BRL	mg/L	1	0.05	0.4		01/29/09 16:55	HW
	Hexachloroethane	BRL	mg/L	1	0.05	3		01/29/09 16:55	HW
'	Nitrobenzene	BRL	mg/L	1	0.05	2		01/29/09 16:55	HW
	Pentachlorophenol	BRL	mg/L	1	0.05	100		01/29/09 16:55	HW
	Pyridine	BRL	mg/L	1	0.05	4		01/29/09 16:55	HW
	2-Fluorobiphenyl(surr)	71.5	%	1	30-115			01/29/09 16:55	HW
	Phenol-d6(surr)	47.9	%	1	15-120			01/29/09 16:55	HW
	2,4,6-Tribromophenol(surr)	68.3	%	1	10-120			01/29/09 16:55	HW
	p-Terphenyl-d14(surr)	84.3	%	1	18-137			01/29/09 16:55	HW
	2-Fluorophenol(surr)	50	%	1	15-111			01/29/09 16:55	HW
	Nitrobenzene-d5(surr)	61.5	%	1	20-120			01/29/09 16:55	HW



Job ID: 09010535

Date:

2/3/2009

Qual

Analysis: Corrosivity, pH

Method:

SW-846 9040C

Reporting Units:

s.u.

**QC Batch ID**: Qb09012715

Created Date: 01/27/09

Created By: Rkurup

Samples in This QC Batch:

09010535.01

QC Type: Duplicate

QC Sample ID: 09010535.01

QCSample RPD Sample RPD CtrlLimit Result Result Units

Parameter рН 6.56 6.55 0.2 5 s.u.

QC Type: LCS and LCSD LCS LCS LCSD LCSD RPD Result Assigned Result RPD CtrlLimit Tolerance Qual Parameter Assigned pН 4.00 4.00 3.95-4.05



Job ID: 09010535

Date:

2/3/2009

Analysis: Reactive Sulfide

Method : SW-846 7.3 Reporting Units:

Created By: Ksudha

mg/L

Samples in This QC Batch: 09010535.01

Sample Preparation: PB09012915

Prep Method: SW-846 7.3

**Prep Date:** 01/28/09 13:30 **Prep By:** 

Ksudha

QC Type: Method Blank			<del></del>			
Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Reactive Sulfide		BRL	mg/L	1	25	

QC Type: Dupl	icate							
QC Sample ID:	09010557.01							
	QCSample	Sample			RPD			
Parameter	Result	Result	Units	RPD	CtrlLimit			Qual
Reactive Sulfide	420	440	mg/L	4.6	20			

QC Type: LCS and LCS	SD		_							
Parameter	LCS Sok Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	800	600	75	800	640	80	6.4	20	40-110	T

QC Type: MS and	d MSD	-						19.5				
QC Sample ID: (	09010557.	01										
	Sa	mple	MS	MS	MS	MSD	MSD	MSD		RPD	%Rec	
Parameter	Re	sult	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
Reactive Sulfide	4	140	200	340	-50		1 1 1				40-110	M2



**Job ID:** 09010535

Date:

2/3/2009

Analysis: Reactive Cyanide

Method:

SW-846 7.3

Reporting Units: mg/L

**QC Batch ID**: Qb09012912

Created Date: 01/28/09

Created By: Ksudha

Samples in This QC Batch: 09010535.01

Sample Preparation: PB09012918

Prep Method: SW-846 7.3

**Prep Date:** 01/28/09 13:30 **Prep By:** 

Ksudha

QC Type: Method Blank						
Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Reactive Cyanide		BRL	mg/L	1	25	

QC Type: Dupli	cate						
QC Sample ID:	09010535.01						Į
	QCSample	Sample			RPD		
Parameter	Result	Result	Units	RPD	CtrlLimit	(	Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS an	d LCSD									
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	5.0	2.18	43.6	5.0	2.22	44.4	1.8	20	40-110	



**Job ID:** 09010535

Date:

2/3/2009

Qual

Analysis: Ignitability (Flash Point)

SW-846 1010 Method:

Reporting Units:

**QC Batch ID**: Qb09012933

Parameter

Created Date: 01/29/09

Samples in This QC Batch: 09010535.01

Created By: Sgarcia

QC Type: Duplicate

QC Sample ID: 09010451.01

RPD QCSample Sample RPD CtrlLimit Result Result Units

Ignitability >150 >150 20

QC Type:	LCS and LCSI	)									
,		LCS	LCS	LCS	LCSD	LCSD	LCSD		RPD	%Recovery	
Parameter		Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
Ignitability		83	85	102	83	86	104	1,2	20	75-125	



**Job ID:** 09010535

Date:

2/3/2009

Analysis : TCLP VOC

Method:

SW-846 8260B

Reporting Units:

mg/L

**QC Batch ID**: Qb09013008

Created Date: 01/29/09

Created By: Whuimei

Samples in This QC Batch: 09010535.02

**Prep Date:** 01/29/09 11:10 **Prep By:** 

Whuimei

Sample Preparation :

TCLP Prep:

PB09012927 PB09012901 Prep Method: SW-846 5030C **Prep Method:** SW-846 1311

Prep Date: 01/28/09 16:00 Prep By:

Ksudha

QC Type: Method Blank	ζ	-					
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13		T
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15		
Benzene	71-43-2	BRL	mg/L	1	0.13		
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13		
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15		ļ
Chloroform	67-66-3	BRL	mg/L	1	0.13		
MEK	78-93-3	BRL	mg/L	1	0.13		
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16		}
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13		
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1	,	

QC Type: LCS and Lo	CSD									
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1-Dichloroethylene	0.5	0.54	108	0.5	0.546	109	1.1	25	70-130	
Benzene	0.5	0.554	111	0.5	0.562	112	1.4	25	70-130	
Chlorobenzene	0.5	0.505	101	0.5	0.493	98.6	2.4	25	70-130	ŀ
MEK	0.5	0.584	117	0.5	0.612	122	4.7	35	70-130	
Tetrachloroethylene	0.5	0.537	107	0.5	0.53	106	1.3	25	70-130	1
Trichloroethylene	0.5	0.558	112	0.5	0.579	116	3.7	25	70-130	

	QC Sample ID: 09010535.02										
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1-Dichloroethylene	BRL	0.5	0.566	113						70-130	
Benzene	BRL	0.5	0.587	117						70-130	<b>.</b>
Chlorobenzene	BRL	0.5	0.488	97.6						70-130	
MEK	BRL	0.5	0.663	133			l .			70-130	M1
Trichloroethylene	BRL	0.5	0.591	118						70-130	1

Refer to the Definition page for terms.



**Job ID**: 09010535

Date:

2/3/2009

Analysis: TCLP Semivolatiles

Method :

SW-846 8270D

Reporting Units:

mg/L

**QC Batch ID**: Qb09013019

Extraction:

TCLP Prep:

Created Date: 01/30/09

Created By: Whuimei

Samples in This QC Batch: 09010535.02

PB09012929

PB09012901

Prep Method: SW-846 3510C Prep Method: SW-846 1311

Prep Date: 01/29/09 09:15 Prep By:

Prep Date: 01/28/09 16:00 Prep By:

Lwang Ksudha

QC Type: Method Blar	ık					· · · · · · · · · · · · · · · · · · ·	
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.05		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.05		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05		
Pentachlorophenol	87-86-5	BRL	mg/L	1	1.25		
Pyridine	110-861	BRL	mg/L	1	0.05		

QC Type: LCS and LCS	D		_						
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit Qual
1,4-Dichlorobenzene	0.25	0.181	72.4	0.25	0.187	74.8	3.3	35	24-134
2,4,5-Trichlorophenol	0.25	0.184	73.6	0.25	0.187	74.8	1.6	35	6-115
2,4,6-Trichlorophenol	0.25	0.179	71.6	0.25	0.184	73.6	2.8	35	40-138
2,4-Dinitrotoluene	0.25	0.17	68	0.25	0.169	67.6	0.6	35	32-114
2-Methylphenol	0.25	0.183	73.2	0.25	0.185	74	1.1	35	6-132
3- & 4-Methylphenols	0.5	0.361	72.2	0.5	0.377	75.4	4.3	35	29-132
Hexachlorobenzene	0.25	0.221	88.4	0.25	0.225	90	1.8	35	44-142
Hexachlorobutadiene	0.25	0.171	68.4	0.25	0.172	68.8	0.6	35	20-124
Hexachloroethane	0.25	0.183	73.2	0.25	0.186	74.4	1.6	35	14-136
Nitrobenzene	0.25	0.193	77.2	0.25	0.195	78	1	35	38-146
Pentachlorophenol	0.25	0.127	50.8	0.25	0.127	50.8	0	35	25-125
Pyridine	0.25	0.07	28	0.25	0.069	27.6	1.4	35	6-112

Refer to the Definition page for terms.

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257	713-453-6060 1-877-478-6060 Toll Free	Address:	4904	Cari	60,5	Ro	40		Add	dress:		greene name en outer en chimpe en en en en	40Aco googen, persenany a styrt	and the second s	oned management of the second second		ditribution delicon constitución de constituci	4. Tu	irnaround Time (Business Days
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	ablabs.com	Contact:	Money	w N	LCA	RLE	<b>.</b> Y	•	Co	ntact:								O 2	Days*
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Containers: V	oz/8 oz - glass wide mouth P/O - Pia	L ber/Glass 1 Lit stic/other	61	na colombia (na salama (na salama (na salama (na salama (na salama (na salama (na salama (na salama (na salama Na salama (na salama	"Prese		O	H - NaC	-	T - Na			Other		- н,ѕо,			Intac(: )	A&B cannot accept verbal changes

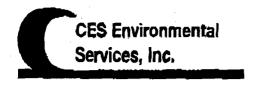
## **Sample Condition Checklist**



Date: 02/03/09

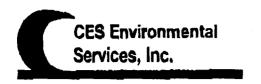
	nt Name : CES Environmental		
Ten	ic Name . CES Environmental		
	perature : 23.6°C Sample pH : N/A	_	<u> </u>
		-	
	Check Points	Yes	No
1.	Cooler seal present and signed.	N/A	
2.	Sample(s) in a cooler.	Х	
3.	If yes, ice in cooler.	Х	
4.	Sample(s) received with chain-of-custody.	Х	
5.	C-O-C signed and dated.	Х	
6.	Sample(s) received with signed sample custody seal.	N/A	
7.	Sample containers arrived intact. (If no comment).	Х	
8.	Matrix Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food	Oth	er
		, [] 	
9.	Sample(s) were received in appropriate container(s).	Х	
10.	Sample(s) were received with proper preservative		
11.	All samples were logged or labeled.	Х	
12.	Sample ID labels match C-O-C ID's	Х	
13.	Bottle count on C-O-C matches bottles found.	Х	
14.	Sample volume is sufficient for analyses requested.	Х	
15.	Samples were received within the hold time.	х	
16.	VOA vials completely filled.	N/A	_
17.	Sample accepted.	Х	
	ments : Include actions taken to resolve discrepancies/problem:		
	e cooling initiated in the field. The sample is not sufficient for all the analysis. Client brought in 6 additional liters of sample. 1/28/0 cion date & time is taken from the sample for login purpose.	9 kei. Sa	mple
	ived by: Kisom Check in by/date: Kisom / 01/27/2009		

1964Greens Byon Pipe Mill, LP Profilet 1264



## Waste Profile Re-Certification Form

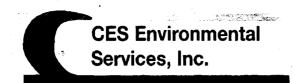
CES Waste Approval #:	<u>1264</u>	
Customer:	Greens Bayou	Pipe Mill, LP
Waste Generator:	Greens Bayou	Pipe Mill, LP
Waste Stream Name:	Recyclable Hyd	drocarbon and Water Mixture
Expiration Date:	12/10/2006	
profiles on an annual basis. generation process of the at hazardous as per 40 CFR 20 Generator hereby certifies t	The purpose of this forementioned waste 51.3.  hat the components in the components	ental Services, Inc. requires recertification of all approved wasters form is to confirm that no changes have been made in the stream and that the waste stream remains classified as non- in the aforementioned waste stream and the process generating and the aforementioned CES Waste Approval Number: (Check
No changes, please recei	rtify.	Analysis is NOT required for recertification.
Please send new profile has changed,  Michael D Solve  Customer Name  Signature  Careens Bayou Pip  Company / Title	e Mill / Gener	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.  ☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Reactivity ☐ Ignitability  ☐ Mgr.
Date		PYTI



## Waste Profile Re-Certification Form

CES Waste Approval #:	1264
Customer:	Greens Bayou Pipe Mill, LP
Waste Generator:	Greens Bayou Pipe Mill, LP
Waste Stream Name:	Recyclable Hydrocarbon and Water Mixture
Expiration Date:	12/10/2006
generation process of the af hazardous as per 40 CFR 26 Generator hereby certifies this waste stream remain the Appropriate Box)  No changes, please recent has changed.  Customer Name  Signature	nat the components in the aforementioned waste stream and the process generating a same as when issued the aforementioned CES Waste Approval Number: (Check tify.  11 Analysis is NOT required for recertification.
Date	







## Waste Pre-Acceptance/Approval Letter

Date 12/13/2005

Dear Michael Schroeder

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1264

Generator: Greens Bayou Pipe Mill, LP

Address: 13935 Industrial Road

Houston, TX 77015

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Mixture of hydrocarbons and water generated from operations

Color: Clear / brown

**Odor:** Hydrocarbon

**pH:** 3-12

Physical State: Liquid

Incompatibilities: Oxidizers

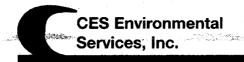
Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information							
Company :	Greens Bayou Pipe	Mill, LP					·	
Address :	13935 Industrial Road							
City, State, Zip:	Houston TX 77015							
Contact :	Michael Schroeder			Ti	tle :			
Phone No:	(713) 450-8883			Fa	ıx:			
24 / HR Phone:						i i		
U.S EPA I.D No:				<u> </u>				
State I.D :				SI	C Code			
SECTION 2: Billing	Information	·						
Company:	Greens Bayou Pipe	Mill, LP						
Address:	13935 Industrial Ro	ad					:	
City, State, Zip:	Houston TX 77015				· ·			
Contact:	Michael Schroeder	· .		Ti	tle:			
Phone No:	(713) 450-8883			Fa	x:	<del></del>		
SECTION 3: General	al Description of the \	Vaste						
	Recyclable Hydroca	<del></del>	r Mixture					
Detailed Descript	tion of Process Gei	nerating Waste	ı <u>:</u>				· · · · · · · · · · · · · · · · · · ·	
•	arbons and water ge							
Physical State :	✓ Liquid	┌ Slu	dge	Powde	er ·			
· ·	☐ Solid	 □ Filt	er Cake	 ☐ Combi	nation			
Color:		Clear / brow	rn C	Odor :		Hydrocar	bon	
Specific Gravity (	Water=1) :	.9-1		ensity :		8	lbs / gal	
Layers :	☐ Single-Pha							
Layers.	Omgro-i na	<b>y</b> 1	iu-i iiaəc					
Container Type :	Drum [	Tote	☐ Truc	k 🗌 Ot	her (explain)			
Container Size :								
Number Of Units	: 1							
Texas State Was	te Code No :	Recycle						
	Waste Code No :		No	on-RCRA/No	n-DOT Regulated	l Material		
Class:	UN	/NA :	-	PG:_			RQ :	
Flash Poin		Н	Reactive S	Sulfides	Reactive Cya	nides	Solids	
>140	3	-12	na	mg/l	na na	mg/l	0 %	
Oil and Grea	and the second s	ос	Zin		Copper		Nickel	
>1500	mg/i >1	500 mg/l	. 0	mg/l	0	mg/l	0 mg/l	

### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %
Diesel fuel	10-20	%
Oil	0-10	%
Water	70-80	%

ECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  Level D  LECTION 5: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  LISTION 7: Incompatibilities  LISTION 7: Incompatibilities  LISTION 9: Generator's Knowledge Documentation  LISTION 9: Generator's Knowledge Documentation  LISTION 9: Generator's Knowledge  LISTION 9: Generator's Knowledge  LISTION 9: Generator's Continued Berein is based on   LISTION 9: Generator's Certification  The information contained herein is based on   LISTION 9: Generator's Certification  The information contained herein is based on   LISTION 9: Generator's Certification  The information contained herein is based on   LISTION 9: Generator's Certification  The information contained herein is based on   LISTION 9: Generator's Certification  The information contained herein is based on   LISTION 9: Generator's Certification  The information or suspected hazards have been is closed. Lectrify that the materials tested are representative of all materials described by this document that is closed. Lectrify that the materials tested are representative of all materials described by this document of the contained by this document of the contained by the contained by the contained by the contained by the contained been is contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained been is contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by the contained by		Oil		0-10	%
the handling of this waste requires the use of special protective equipment, please explain.    Section 6: Attached Supporting Documents		Water		70-80	%
the handling of this waste requires the use of special protective equipment, please explain.  Wel D  COTION 6: Attached Supporting Documents  st all documents, notes, data, and/or analysis attached to this form as part of the waste approval package, one  COTION 7: Incompatibilities  ease list all incompatibilities (if any): didizers  COTION 8: Generator's Knowledge Documentation boratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the lowing generators knowledge  SLP Metals:  LP Volatilies:  LP Volatilies:  Support of the materials to be and accurate to the best of my knowledge and ability to determine that iliberate or willful omissions of composition properties exist and that all known or suspected hazards have been accorded. I certify that the materials tested are representative of all materials described by this document.  Lathorized Signature:  Date:  Date:  12/10/2005  Ented Name / Title:  Recycle / No signature required  ES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Ompliance Officer:  Additional Information					
Section 6: Attached Supporting Documents  st all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  Description 7: Incompatibilities  ECTION 7: Incompatibilities  ECTION 8: Generator's Knowledge Documentation  Suboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the illowing generators knowledge  CLP Metals:  ECTION 9: Generator's Certification  Expression of the information contained herein is based on generator knowledge and/or analytical data. I hereby certify the information contained herein is based on generator knowledge and/or analytical data. I hereby certify the information contained herein is based on generator knowledge and ability to determine that isliberate or willful omissions of composition properties exist and that all known or suspected hazards have been sclosed. I certify that the materials tested are representative of all materials described by this document.  Suboratory analysis of the waste approval package.  Date: 12/10/2005  EXECUTION 9: Generator's Certification  EXECUTION 9: Generator's Certification  Executed Signature:  Date: 12/10/2005  Additional Information	ECTION 5: Safety Relate	ed Data			* .
ECTION 6: Attached Supporting Documents  ist all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  one  ECTION 7: Incompatibilities  lease list all incompatibilities (if any):  xidizers  ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the aboratory analysis of the hazardous waste characteristics, listed below, Was NOT PERFORMED analysis analysis analysis analysis analysis analysis attached below, waste characteristics, listed below, Was NOT PERFORMED analysis a		waste requires the use of special p	rotective equipmen	t, please explain.	;
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lease list all incompatibilities (if any):					
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ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the ollowing generators knowledge  CLP Metals:	lease list all incompa	atibilities (if any):			
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aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the billowing generators knowledge  CLP Metals:		•			
ECTION 9: Generator's Certification  the information contained herein is based on   generator knowledge and/or  analytical data. I hereby cerity the coverand attached description is complete and accurate to the best of my knowledge and ability to determine that reliberate or willful omissions of composition properties exist and that all known or suspected hazards have been sclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature:  Date: 12/10/2005  Trinted Name / Title: Recycle / No signature required  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: Prabhakar Thangudy	CLP Semi-Volatiles : eactivity : orrosivity :	<u>x</u> x			
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Printed Name / Title: Recycle / No signature required  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Prabhakar Thanguda	bove and attached de eliberate or willful on isclosed. I certify tha	escription is complete and accurate nissions of composition properties at the materials tested are represen	e to the best of my k exist and that all kr	nowledge and ability to detern nown or suspected hazards ha s described by this document.	nine that no ve been
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Date: 12/10/2005 Status: Approved Rejected	Compliance Officer :	Prabhakar Thangudu			
	Date: 12/10/2	005 Status: Approved	Rejected		
Approval Number: 1264	Approval Number :	1264			

SECT	ON 10: Waste Receipt Classification Under 40 CFR 437	ēlītija G. ukm
s this	material a wastewater or wastewater sludge?	
f 'YE	S', complete this section	
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGO	RY, GO TO THE
Vlatal	s Subcategory: Subpart A	
	Spent electroplating baths and/or sludges	
	Metal finishing rinse water and sludges	
	Chromate wastes	
	Air pollution control blow down water and sludges	
	Spent anodizing solutions	
	Incineration wastewaters	
	Waste liquid mercury	
	Cyanide-containing wastes greater than 136 mg/l	
	Waste acids and bases with or without metals	
	Cleaning, rinsing, and surface preparation solutions from electroplating	or phospha
	Vibratory deburring wastewater	
	Alkaline and acid solutions used to clean metal parts or equipment	
Oils S	Subcategory: Subpart B	
	Used oils	•
	Oil-water emulsions or mixtures	
	Lubricants	
	Coolants	
	Contaminated groundwater clean-up from petroleum sources	
	Used petroleum products	
	Oil spill clean-up	
	Bilge water	* .
	Rinse/wash waters from petroleum sources	
	Interceptor wastes	
	Off-specification fuels	
	Underground storage remediation wastes	
	Tank clean-out from petroleum or oily sources	
	Non-contact used glycols	
	Aqueous and oil mixtures from parts cleaning operations	
	Wastewater from oil bearing paint washes	
٠		
Orgar	nics Subcategory Subpart C	
	Landfill leachate	
	Contaminated groundwater clean-up from non-petroleum sources	
	Solvent-bering wastes	
	Off-specification organic product	
	Still bottoms	
	Byproduct waste glycol	
	Wastewater from paint washes	
	Wastewater from adhesive and/or epoxies formulation	
	Wastewater from organic chemical product operations	

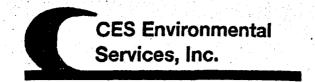
Tank clean-out from organic, non-petroleum sources

**NEXT PAGE** 

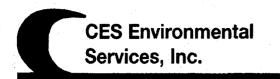
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	<ul><li>☐ Metals Subcatego</li><li>☐ Oils Subcatego</li><li>☐ Organics Subcategory</li></ul>
ar.	DETAIN 11. A LIVE LY A COLOR

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Profile #: 1264	
Generator: GREENS BAYOU PAPE MILL	
Address: 13935 INDUSTRIAL RD	
Name of Waste: RECY CLABLE HYDROCARBON	+ WATER
TCEQ Waste Code Number: PECYCLABLE	
TCEQ waste Code Number.	
Incompatibilities: OXID12825	
Safety Related Data/Special Handling: Level D	
Waste Sample Data ■ Color of Sample: BROWP	
Physical Appearance	
Liquid Solid	
Multiphase Liquid Solid	Sludge
Describe:	
<ul> <li>Matches description from the waste profile:</li> <li>Matches general composition from the waste profile:</li> <li>pH of liquid (water phase): 7.6</li> <li>Odor: 01-7</li> </ul>	YES □ NO YES □ NO
<ul> <li>Compatible with proposed mix material:</li> </ul>	YES □ NO
(EPA-600/2-80-076 review if applicable)	
Drum process code(s) assigned (see list):	
Bulk process code assigned (see list):	
Bulk tank assigned:	
Shipment Information	
Job Confirmation Number:	
Waste Manifest Number: 16555 - BOL	
Date of Shipment: 12/12/05	
Container Type (i.e. drum, tote, etc.): TANKER	
Quantity: 760 GAL	
Al Tol	12/12/05
Analyst/Sampler:	Date:
	A CONTRACTOR OF THE PROPERTY O



**pH:** 3-12

## Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear Michael Schroeder

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1264

**Expiration Date** 12/10/2009

Generator: Greens Bayou Pipe Mill, LP

Address: 13935 Industrial Road

Houston, TX 77015

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Mixture of hydrocarbons and water generated from operations

Color: Clear / brown Odor: Hydrocarbon

Physical State: Liquid Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. CES ENVIKUMENTAL



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator information						
Company:	Greens Bayou Pip	e Mill, LP					
Address:	13935 Industrial R	oad 13935 Industrial	Road				
City, State, Zip:	Houston TX 77015						
Contact:	Michael Schroeder	•		Title :			
Phone No:	(713) 450-8883			Fax:			
24 / HR Phone ;				-			
U.S EPA I.D No :	TXR000063917						
State I.D:	86876			SIC Code _			
SECTION 2: Billing	Information						
Company :	Greens Bayou Pipe	Min, LP					
Address:	13935 Industrial Re	oad 13935 Industrial	Road				
City, State, Zip :	Houston TX 77015						
Contact:	Michael Schroeder			Title:			
Phone No:	(713) 450-8883			Fax :			
SECTION 3: Genera	al Description of the	Waste					
Name of Waste:	Recyclable Hydroc	erbon and Water Mixt	ure		•		
Detailed Descript	ion of the Process	Generating Waste:					
·		nerated from operation	ns				
Physical State :	<b>✓</b> Liquid	👰 Sludge	Pov	vder			
	🕾 Solid	M Filter Cak	e 🖼 Con	nbination			
Color :		Clear / brown	Odor :			Hydrocarb	on
Specific Gravity (	Water=1) :	.9-1	Density :			8	lbs / gai
Does this material o	contain any total phe	nelic compounds?	Yes	□ No			
Does this material o	contain any para sub	stituted phenolic comp	ounds?		® No		
s the Waste subjec	t to the benzene was	te operation NESHAP?	(40 CFR Part 51, S	iubpart FF)	☐ Yes	<b>.</b> .	No
2812 2813 2	816 2819 2821	2822 2823 2824	2833 2834	2835 2836	2841 28	342 2843	2844 2851
2861 2865 2	869 2873 2874	2876 2879 2891	2892 2893	2896 2899		12 4953	4959 9511
Layere :	Single-Pha	Multi-Ph	150				
Container Type :	E# Drum	Tote	Truck 🔢	Other (explain	1)		
Container Size :	5000						
Number Of Units :	1						
	azardous Waste" po ase complete, sign and	er 40 CFR 261.3? I date the Underlying Ha	☐ Yes zardous Constituent	No S Form attached	hereto		
If "Yes", is it:	D001   D002	D002					4

06/10/2008 01:	09 7134507815 10.46	NATKOMENTYP		713740064 P.
	☐ D008 ☐	D009 🗆 D010 🗆	D011	
Characteristics for Toxi	c Organics: D012 thru D043	(please list all that apply)		
Is this an "F" or "K" Lisi	ed waste or mixed with one	? 🗌 Yes 🔲 No		
If "Yes", then please	list ALL applicable codes:			
Is this a commercial pro 261.33(a) or (f)?	oduct or spill cleanup that w	ould carry a "U" or "P" was	ste code under 40 CFR	☐ Yes ☐ No
If "Yes", then please	e list ALL applicable codes:			
fexas State Waste Cod	le No : Recycle			
Proper U.S. State Wast	e Code No :	Non-RCRA/No	n-DOT Regulated Mate	rial
Class:	UN/NA :	PG:		RQ:
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
>140	3-12	na _mg/l	na m	g/  <u> </u>
Oil and Grease	тос	Zine	Copper	Nickel
>1500 mg/	/l >1500 mg/l	0 mg/l	0 m	0 mg/
ECTION 4: Physical and			·	
	COMPONENTS TABLE			
i ne material	I product consists of the formal place of the	ollowing materials	Ranges are :	
	Oii Diasai (da)		70-1 <b>0-</b> 1	·
	Water		70-	
ECTION 5: Safety Related				
	aste requires the use of sp	ecial protective equipme	nt, please explain.	
evel D				
	,			
ECTION 6; Attached Supp				
	es, data, and/or analysis at	tached to this form as pa	rt of the waste approv	al package.
one				
ease list all incompati				
ease list all incompati				
ease list all incompati				
ease list all incompati				
ease list all incompati xidizers	blities (if any):			
ease list all incompati xidizers ECTION 8: Generator's Kr aboratory analysis of the	blities (if any):  nowledge Documentation ne hazardous waste charac	steristics, listed below, V	/AS NOT PERFORMED	based upon the
ease list all incompati xidizers ECTION 8: Generator's Kr aboratory analysis of the	blities (If any):  nowledge Documentation  ne hazardous waste charac owledge	cteristics, listed below, V	/AS NOT PERFORMED	based upon the
ease list all incompati xidizers ECTION 8: Generator's Kr aboratory analysis of ti llowing generators kn CLP Metals :	blities (if any): nowledge Documentation ne hazardous waste charac owledge	steristics, listed below, V	/AS NOT PERFORMED	based upon the
lease list all incompati xidizers  ECTION 8: Generator's Kr aboratory analysis of ti illowing generators kno CLP Metals :	blities (if any):  nowledge Documentation ne hazardous waste characowledge  X	cteristics, listed below, V	/AS NOT PERFORMED	based upon the
ECTION 7: Incompatibiliti lease list all incompati exidizers  ECTION 8: Generator's Kr aboratory analysis of ti illowing generators kno CLP Metals: CLP Volatilles: CLP Semi-Volatiles:	blities (if any): nowledge Documentation ne hazardous waste charac owledge	cteristics, listed below, V	/AS NOT PERFORMED	based upon the

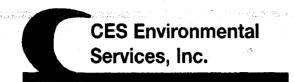
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations

Wastewater from oil bearing paint washes

PAGE

7137400064

06/10/5008	01:09 713450	7815			
JUN-06-2006	16:47	CES ENVIRON	ENTAL	•	7137400004 PAGE 05
1) If the waste contains	e oil and grease at or	in excess of 100	mg/L, the waste	should be classified in	the oils subcategory
(2) If the waste contains excess of the values	s oil and grease less ( s listed below, the was	than 100 mg/L, ar ste should be clas	nd has any of the selfied in the met	pollutants listed belo als subcategory	w in concentrations in
Cadmlum; 0.2 mg Chromium: 8.9 mg Copper: 4.9 mg/L Nickel: 37.5 mg/L	/L				
<ol> <li>If the waste contains or nickel above any</li> </ol>	oil and grease less to of the values listed al	than 100 mg/L, ar bove, the waste s	nd does not have hould be classific	concentrations of ca ed in the organics sub	dmium, chromium, copper, category.
☐ Metals Subcateg	0				•
Oile Subcatego					
Organics Subcate	egory				
	kel, and Oil and Great	se, CES will send	offsite to a com	mercial laboratory a s	centration of Cadmlum, ample to determine these analysis.
ECTION 11: Generator's	Certification				
	scription is complet nissions of composit It the materials teste	le and accurate t tion properties c	to the best of m exist and that all	y knowledge and ab known or suspects	
<del>-</del>			<del></del>		121072000
Printed Name / Title :	Recycle / No signat	ure required		<u> </u>	
CES USE ONLY (DO N	OT WRITE IN THIS	SPACE)	MIN	Process F	acility Information :
Camalianaa <b>06</b> 5-aa.	Deshieles Theory	SPACE)	,		ns \$650/load I after 650 Gals
Compliance Officer :	Prabhakar Thangu	idu (		35/ga	l aller 050 Gals
Date: 12/10/20	007 Status :	Approved)	Rejected		
Approval Number :		1264			



## Waste Pre-Acceptance/Approval Letter

Date 12/14/2005

Dear Larry Black

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1271

Generator: National Oil Well (Monoflo)

Address: 16503 Park Row

Houston, TX 77084

#### Waste Information

Name of Waste: RCRA Empty Containers

TCEQ Waste Code #: Recycle

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Empty product containers

Color: various

Odor: none

pH: Neutral

Physical State: Solid Incompatibilities: none

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Infor	mation								
Company :	Nationa	l Oil Well	(Monoflo)	)						
Address :	16503 F	Park Row	·							
City, State, Zip:	Houstor	1 TX 7708	4							
Contact :	Larry Bl	ack						Title :		
Phone No:	(281) 59	99-4731		•				Fax :	(281) 599-4733	
24 / HR Phone:		<u> </u>								
U.S EPA I.D No:	TXD988	8086831								
State I.D :	20375							SIC Code		
SECTION 2: Billing	Informat	ion								
Company:	Nationa	l Oil Well	(Monofio)	)						
Address :	16503 F	Park Row								
City, State, Zip:	Houston	1 TX 7708	4							
Contact:	Larry Bl	ack						Title :		
Phone No:	(281) 59	99-4731						Fax :	(281) 599-4733	
· · ·										
SECTION 3: Gener						-			# · ·	
Name of Waste :	RCRA E	mpty Cor	ntainers		<del></del>					· · · · · · · · · · · · · · · · · · ·
<b>Detailed Descrip</b>	tion of P	rocess G	eneratin	g Was	te:					
Empty product co	ntainers									
Physical State :		Liquid		□ S	ludge		Pow	der		
i ilyolodi Otate i					•			* .		
	<b>⊻</b> :	Solid		FI	ilter Cake		□ Com	bination		
Color:				arious		O	lor :		·	none
Specific Gravity	(Water=1	): <u> </u>		1.5-2		De	ensity:		12	lbs / gal
Layers :	· • • • • • • • • • • • • • • • • • • •	Single-Ph	as	M	lulti-Phas	se				
Container Type :		Drum		Tote		Truck		Other (ex	olain)	
Container Size :	<u>-</u>	55					· 🗀			
Number Of Units		10				<del>- , ,</del>				
				امدادا	_					
Texas State Was		-		Recycle	<del></del>					
Proper U.S. State	e Waste (	Code No	:			Non	-RCRA/N	lon-DOT F	Regulated Materia	1
Class :		u	N/NA :_				PG	•	<u> </u>	RQ:
Flash Poir >200	nt	ı	pH Neutral		Read	ctive Su	u <b>lfides</b> mg/		ctive Cyanides 0 mg/l	<b>Solids</b> 100 %
Oil and Grea			TOC			Zinc		<del>                                     </del>	Copper	Nickel

0

mg/l

>1500

mg/l

>1500

mg/l

0

mg/l

mg/l

#### SECTION 4: Physical and Chemical Data

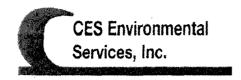
The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %
Plastic drums	50-100	%
Metal drums	0-50	%
ECTION 5: Safety Related Data		
the handling of this waste requires the use of special protective equipmevel D	ent, please explain.	
ECTION 6: Attached Supporting Documents		
ist all documents, notes, data, and/or analysis attached to this form as pa	art of the waste approval package.	
one		
FOTION 7. In a constant the second of the se		
ECTION 7: Incompatibilities		
lease list all incompatibilities (if any): one		
one and the second seco		
ECTION 8: Generator's Knowledge Documentation		
aboratory analysis of the hazardous waste characteristics, listed below,	WAS NOT PERFORMED based upon the	•
llowing generators knowledge		
CLP Metals: X		
CLP Volatilies : <u>x</u>		
CLP Semi-Volatiles : <u>x</u>		
eactivity: <u>x</u>		
orrosivity: <u>x</u>		
nitability: <u>x</u>		
ECTION 9: Generator's Certification		
he information contained herein is based on <a href="#"></a>	y knowledge and ability to determine th known or suspected hazards have bee	at no
	D-4 40/44/2005	
Authorized Signature :	Date : 12/14/2005	
Authorized Signature :  Printed Name / Title : Gary Brauckman / Gary Brauckman, Agent	Date :	
rinted Name / Title: Gary Brauckman / Gary Brauckman, Agent CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Additional Information	
rinted Name / Title: Gary Brauckman / Gary Brauckman, Agent  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  White Many Company of the Company of		
CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
rinted Name / Title: Gary Brauckman / Gary Brauckman, Agent  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  White Many Company of the Company of		
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Prabhakar Thangudu		· · · · · · · · · · · · · · · · · · ·

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 43	7		i Me Washin	www.	SPAILPILE:
Is this	material a wastewater or wastewater sludge ?	☐ YES	<b>☑</b> NO			
If 'YES	S', complete this section					
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APF	PROPRIATE	CATEGORY, GC	TO THE N	EXT PAGE	
Matals	s Subcategory: Subpart A	•				
	Spent electroplating baths and/or sludges					
	Metal finishing rinse water and sludges					
	Chromate wastes					
	Air pollution control blow down water and sludges					
	Spent anodizing solutions					
	Incineration wastewaters					
	Waste liquid mercury		•			
	Cyanide-containing wastes greater than 136 mg/l		•			
	Waste acids and bases with or without metals					
	Cleaning, rinsing, and surface preparation solution	ns from elec	troplating or phosp	ha		
	Vibratory deburring wastewater					
	Alkaline and acid solutions used to clean metal pa	rts or equip	ment			
*.						
Oils S	Subcategory: Subpart B					
	Used oils	-				
	Oil-water emulsions or mixtures		.*	. 1		
	Lubricants					
	Coolants					
	Contaminated groundwater clean-up from petroleu	ım sources	-			
	Used petroleum products					
	Oil spill clean-up					
	Bilge water					
	Rinse/wash waters from petroleum sources					
	Interceptor wastes					
	Off-specification fuels					
	Underground storage remediation wastes					
	Tank clean-out from petroleum or oily sources					
	Non-contact used glycols					
	Aqueous and oil mixtures from parts cleaning oper	ations				
	Wastewater from oil bearing paint washes					
_						
Organ	nics Subcategory Subpart C Landfill leachate					
	Contaminated groundwater clean-up from non-pet	roleum sour	ces			
	Solvent-bering wastes					
	Off-specification organic product					
	Still bottoms					
	Byproduct waste glycol					
	Wastewater from paint washes					
	Wastewater from adhesive and/or epoxies formula	tion				
П	Wastewater from organic chemical product operati	ions				ننص

Tank clean-out from organic, non-petroleum sources

<b>₹.</b> 77	in the waste contains on and grease at or in excess or roo right, the waste should be classified in the one substaction.
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
	☐ Organics Subcategory
CE.	OTHOR 11. Additional Known Alice
<u>DE</u>	CTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Company / Title

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-1271	
Customer:	NOV Monoflo	
Waste Generator:	NOV Monoflo	
Waste Stream Name:	RCRA Empty Conta	ainers
Expiration Date:	12/14/2008	
profiles on an annual basis.	The purpose of this form orementioned waste stream	Services, Inc. requires recertification of all approved waste is to confirm that no changes have been made in the m and that the waste stream remains classified as non-
_	-	aforementioned waste stream and the process generating aforementioned CES Waste Approval Number: (Check
No changes, please recer	tify.	Analysis is NOT required for recertification.
Please send new profile a has changed.	is waste stream	The following analysis is required for recertification. Please sumbit results of the following tests.
Customer Name		TCLP Metals TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity

Ignitability

1974 Houston Chinding & Mags Partilett 1274



## Waste Pre-Acceptance/Approval Letter

Date 12/15/2005

Dear James Lattimer

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1274

Generator: Houston Grinding and Mfg.

**Address:** 3544 W. 12th

Houston, TX 77008

Waste Information

Name of Waste: Coolant / Oil and Water

TCEQ Waste Code #: Recycle

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

From metal cutting and metal work

Color: Brown / Milky

Odor: Oil like

pH: Neutral

Physical State: Liquid

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information					
Company :	Houston Grinding and	d Mfg.				
Address :	3544 W. 12th					1.
City, State, Zip:	Houston TX 77008					
Contact :	James Lattimer			Title :		
Phone No :	(713) 869-3573	A PROPRIES OF THE PROPERTY OF		Fax:	(713) 869-2660	
24 / HR Phone :				_		
U.S EPA I.D No :	TXCESQG					•
State I.D :	CESQG			SIC Code		
SECTION 2: Billing	Information	<u></u>				
Company :	Houston Grinding and	d Mfg.				
Address :	3544 W. 12th					
City, State, Zip:	Houston TX 77008					
Contact :	James Lattimer	<u> </u>		_Title :		· 
Phone No :	(713) 869-3573			Fax:	(713) 869-2660	
SECTION 3: Genera	al Description of the Wa	ıste				
	Coolant / Oil and Wat					
	tion of Process Gene	rating waste:				
From metal cutting	g and metal work					
Physical State :	✓ Liquid	☐ Sludge	Po	wder		
	Solid	Filter Cak	e 🗌 Co	mbination		
Color :		Brown / Milky	Odor :		(	Oil like
Specific Gravity (	Water=1) :	.9-1	Density:		8	lbs / gal
Layers :	☐ Single-Phas	✓ Multi-Ph	ase			
Container Type :	Drum	Tote 🗸	Truck	Other (exp	olain)	<u> </u>
Container Size :	44 - 1 <u> </u>		2000			
Number Of Units	:1					
Texas State Wast	e Code No :	Recycle				
Proper U.S. State	Waste Code No : _		Non-RCRA/	Non-DOT F	Regulated Material	
Class:	UN/N	A:	PG	):		RQ:
Flash Poin	t pl	i Re	active Sulfides	Reac	tive Cyanides	Solids
>200	Neu	tral	0 mg	g/l	0 mg/l	0-5 %
Oil and Grea >1500	. 1	3	<b>Zinc</b> 0 mg	2/	Copper 0 mg/l	<b>Nickel</b> 0 mg/l

#### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE  The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %
Hydraulic oil	20-60	%
Machine coolant	20-60	%
Machine oil	20-60	%

Machine oil  SECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  Standard Level D  SECTION 6: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  Chloride test  SECTION 7: Incompatibilities  Please list all incompatibilities (if any):  Oxidizers  SECTION 8: Generator's Knowledge Documentation  Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge  ICLP Metals:  X  ICLP Volatilies:  X  Reactivity:  X  Reactivity:  X	-60 %
SECTION 5: Safety Related Data  f the handling of this waste requires the use of special protective equipment, please explain.  Standard Level D  SECTION 6: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  Chloride test  SECTION 7: Incompatibilities  Please list all incompatibilities (if any):  Didizers  SECTION 8: Generator's Knowledge Documentation  Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the ollowing generators knowledge  TCLP Metals:  X  TCLP Volatilies:  X  CLP Semi-Volatiles:  X  Reactivity:  X	-60 %
ECTION 6: Attached Supporting Documents ist all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. ist all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. ist all incompatibilities lease list all incompatibilities (if any): ixidizers  ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the billowing generators knowledge CLP Metals:  ECTP Volatilies:  X CLP Semi-Volatiles: X eactivity: X	60 %
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CLP Volatilies : <u>x</u> CLP Semi-Volatiles : <u>x</u> eactivity : <u>x</u>	
LP Semi-Volatiles : <u>x</u> sactivity : <u>x</u>	
pactivity: X	
niosivity. A	
nitability: <u>x</u>	
CTION 9: Generator's Certification	
	y to determine that no nazards have been
Totally that the materials to to representative of all materials accombined by this accument	y to determine that no nazards have been
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uthorized Signature : Date : 12/15/2005	y to determine that no nazards have been document.
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uthorized Signature : Date :	y to determine that no lazards have been document.
inted Name / Title: James Lattimer / James Lattimer, Ops. Mgr.  ES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information	y to determine that no lazards have been document.
rinted Name / Title : James Lattimer / James Lattimer, Ops. Mgr.  ES USE ONLY (DO NOT WRITE IN THIS SPACE)  ompliance Officer : Prabhakar Thangudu  Additional Information	y to determine that no lazards have been document.
inted Name / Title: James Lattimer / James Lattimer, Ops. Mgr.  ES USE ONLY (DO NOT WRITE IN THIS SPACE)  Ompliance Officer: Prabhakar Thangudu  Date: 12/15/2005  Additional Information	y to determine that no lazards have been document.
uthorized Signature:	azards have been document. 2/15/2005
TCLP Metals: $\underline{x}$ TCLP Volatilies: $\underline{x}$ TCLP Semi-Volatiles: $\underline{x}$ Reactivity: $\underline{x}$	

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge ? YES V NO
If YES	c', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
	Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
$\overline{\Box}$	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
	i <u>cs Subcategory</u> <i>Subpart C</i> Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product Still bottoms
	Suil bottoms  Byproduct waste glycol
	Dyproduct waste grycor Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	vvastewater nom organic chemical product operations 🛥

Tank clean-out from organic, non-petroleum sources

han 100 mg/L, and does not have concentrations of cadmium, chromium, pove, the waste should be classified in the organics subcategory.	copper,
than 100 mg/L, and has any of the pollutants listed below in concentration ste should be classified in the metals subcategory	s in
	excess of 100 mg/L, the waste should be classified in the oils subcateg

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Rx Date/Time N NOV-21-2009 13:18

NOV-21-2008 (FRI) 14:23

CES ENVIROMENTAL

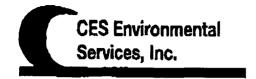
7137488664

P. 002/002

P. 002

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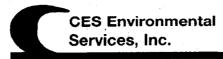
P.002



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

	126
Customer: Hou	on Grinding and Mfg.
Waste Generator: Hou	on Grinding and Mfg.
Waste Stream Name: Coo	nt / Oil and Water
Expiration Date: 12/1	2008
profiles on an annual basis. The p generation process of the aforement hazardous as per 40 CFR 261.3.  Generator hereby certifies that the	Environmental Services, Inc. requires recertification of all approved waste cose of this form is to confirm that no changes have been made in the coned waste stream and that the waste stream remains classified as non-emponents in the aforementioned waste stream and the process generating when issued the aforementioned CES Waste Approval Number: (Check
No changes, please recertify.	☐ Analysis is NOT required for recertification.
<ul> <li>Please send new profile as was has changed.</li> </ul>	stream  ① The following analysis is required for recertification.  Please sumbit results of the following tests.
Customer Name	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity
Signature Soution GRINDING + Mes	De of Orgentions
Company / Title	<del></del>



4904 Griggs Road

Houston, TX 77021 Fax: (713) 676-1676

Phone: (713) 676-1460

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 309 ISWR No: 30900

	ator Information						
Company :	Ameriforge Corporation	1					
Address:	13770 Industrial Rd.						
City, State, Zip:	Houston TX 77015				a.		
Contact :	Pat Mickley		Tit	le :		·	
Phone No :	(713) 393-4369		Fa	x: <u>7</u>	13-393-4329		
24 / HR Phone :	· 						
U.S EPA I.D No:	TXR000026690						
State I.D :	82538		SIC	Code			
						;	
<b>SECTION 2: Billing</b>	Information						
Company:	Ameriforge Corporation	·		,			
Address:	13770 Industrial Rd.						
City, State, Zip:	Houston TX 77015						
Contact :	Pat Mickley	<u> </u>	Tit	le :			
Phone No:	(713) 393-4369		Fa	<b>k</b> : 7	13-393-4329		
			in the second				
	al Description of the Was						
Name of Waste :	Non-RCRA Waste Sluc	ge and Slag				· · · · · · · · · · · · · · · · · · ·	
Detailed Descript	tion of Process Genera	ting Waste:				The state of the s	
Dirt, oil, slag, and	iron from remediation of	petroleum contam	inated soils.				
Physical State :	Liquid	<b>⊘</b> Sludge	Powde	* , * , <b>*</b>	en en general en en en	<b>1.</b> 2. 2.	
	Solid	Filter Cake	Combin	nation			
Color:	Solid	Filter Cake	Combi	nation 		Oil like	
Color : Specific Gravity (				nation	14		bs / gal
0		Brown	Odor : Density :				bs / gal
Specific Gravity (	Water=1) :	Brown 1.5-1.8	Odor : Density :	nation — ner (expla	14		bs / gal
Specific Gravity ( Layers :	Water=1) :	Brown 1.5-1.8  Multi-Phase	Odor : Density :		14		bs / gal
Specific Gravity ( Layers : Container Type :	Water=1) :  Single-Phas  Drum	Brown 1.5-1.8  Multi-Phase	Odor : Density : se Truck		14		ibs / gal
Specific Gravity ( Layers : Container Type : Container Size :	Water=1):  Single-Phas Drum  : 5	Brown 1.5-1.8  Multi-Phase	Odor : Density : se Truck		14		bs / gal
Specific Gravity ( Layers : Container Type : Container Size : Number Of Units Texas State Wast	Water=1):  Single-Phas Drum  : 5	Brown  1.5-1.8  Multi-Phase  Tote	Odor : Density : se Truck	ner (expla	14 in)		bs / gal
Specific Gravity ( Layers : Container Type : Container Size : Number Of Units Texas State Wast	Water=1):  Single-Phas Drum  : 5  de Code No:	Brown  1.5-1.8  Multi-Phas  Tote  00076031	Odor : Density : se Truck	ner (expla	14 in)		lbs / gal
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Specific Gravity ( Layers : Container Type : Container Size : Number Of Units Texas State Wast Proper U.S. State Class :	Water=1):  Single-Phas Drum  : 5  e Code No:  Waste Code No:	Brown  1.5-1.8  Multi-Phas  Tote  00076031	Odor : Density : se Truck    Oth 15 yd  Non-RCRA/Non	ner (expla	in)  ulated Material		
Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast Proper U.S. State Class:	Water=1):  Single-Phas  Drum  : 5 e Code No:  Waste Code No:  UN/NA  t pH Neutra	Brown  1.5-1.8  Multi-Phase Tote  00076031  : Read	Odor : Density : se Truck    Oth 15 yd  Non-RCRA/Non PG :	-DOT Reg	in)  ulated Material	RQ :	%

ing a Album at Miller Lagarray Lagarray VIII on G. Marka (	COMPONENTS TABLE	Concentration	Units
The wa	aste consists of the following materials	Ranges are acceptable	or %
	Dirt	85-90	%
	TPH contaminated slag	10-15	%
SECTION 5: Safety Related			
f the handling of this w Standard PPE	raste requires the use of special protective equip	oment, please explain.	
otanuaru PPE	•		
		#	
SECTION 6: Attached Sup	porting Documents		
	es, data, and/or analysis attached to this form as	part of the waste approval package.	
Analytical	,,,	Personal marriage beautiful	
ECTION 7: Incompatibility	ios		
SECTION 7: Incompatibiliti	ies ·	•	
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Please list all incompati			
Please list all incompati			
Please list all incompati None SECTION 8: Generator's Kr	ibilities (if any): nowledge Documentation		
Please list all incompati None ECTION 8: Generator's Kr aboratory analysis of t	ibilities (if any):  nowledge Documentation  he hazardous waste characteristics, listed below	v, WAS NOT PERFORMED based upon th	· · ·
Please list all incompati None EECTION 8: Generator's Ki aboratory analysis of t ollowing generators kn	ibilities (if any):  nowledge Documentation  he hazardous waste characteristics, listed below owledge	v, WAS NOT PERFORMED based upon th	ne
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Please list all incompatione  SECTION 8: Generator's Knaboratory analysis of tollowing generators knacket CLP Metals: CLP Volatilies: CLP Semi-Volatiles: CCLP Semi-Volatiles: Corrosivity: Corrosivity: Conitability: CCTION 9: Generator's Centrols	nowledge Documentation he hazardous waste characteristics, listed below owledge See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical		
Please list all incompatione  SECTION 8: Generator's Knaboratory analysis of tollowing generators knace.  CLP Metals: CLP Volatilies: CLP Semi-Volatiles: CCP Semi-Vol	nowledge Documentation he hazardous waste characteristics, listed below owledge See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical See analytical	and/or ☑ analytical data. I hereby ceri my knowledge and ability to determine tl all known or suspected hazards have be	ty that t

CES USE ONLY (DO NOT WRITE IN THIS SPACE)				Additional Information			
Compliance Officer: 2	sheet th	aga					
Date: 1-3-06	Status :	Approved	Rejected				
Approval Number :		1281			And the second s		

SECT	TION 10: Waste Receipt Classification Under 40 CFR 437
Is thi	s material a wastewater or wastewater sludge?
If 'YE	S', complete this section
PLEA	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Mata	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
ė	
Oils :	Subcategory: Subpart B Used oils
	Oil-water emulsions or mixtures
Н.	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
$\Box$	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	if the waste contains of and grease at or in excess of 100 mg/L, the waste should be classified in the ons subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

# CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676



## Invoice

Date	Invoice #
12/23/2005	21058

Bill To: Ameri-Forge Corporation

Attn: Accts Payable 13770 Industrial Road Houston, TX 77015

		P.O. No.	Terms	Pro	oject
			Net 30		
Quantity	Description		Manifest #	Rate	Amount
	Fee for sampling, delivery, and analyticals of Composite on 10/20/05	Oil, Dirt, Slag & Ir	on	607.50	607.50
				1	
		100			
				i,	,
	ate your business!		Subtotal		\$607.50
ccount is a	nt Policy: Any unpaid balances begining on the 30 ue will accrue a per annum interest rate of 6%, unleted contract.	th day after the ess otherwise stated	Sales Tax (8.	25%)	\$0.00
a minidil	ecu contract.		Total		\$607.50

#### ENVIRON EXPRESS LABORATORIES, INC.



401 N. 11th. St. La Porte, TX 77571 281.471.0951 FAX:281.471.5821

**CERTIFICATE OF ANALYSIS NO:** 

51214.01

1 of 1

Customer: CES Env. Svcs.

Sample ID: Oil, Dirt, Slag &

Environ ID: 51214.01

Project ID: Ameriforge

Iron Composite

Sampled: 10-18-05

Project Loc: 13770 Industrial Rd, Hou.,TX

Matrix:

Received: 10-20-05

Charge/P.O.:

Type: RECEIVED BASIS

Reported: 10-31-05

ANALYTE /	F	RESULT	UNITS	REG.	MQL	TEST	ANALYST	DATE	TIME
PARAMETER	<u> </u>		1	LIMIT	]	METHOD			<u> </u>
BENZENE - TCLP						SW846.1311	MN	10-20-05	
Benzene	<	0.001	mg/l	0.500	0.001	SW846.8021B	DMB	10-24-05	11:08
TOT. PET. HYDROCARBO	N		1	1					1
GRO (Gasoline Range)	<	2,500	mg/kg		2,500	TCEQ 1005.03	DMB	10-24-05	21:05
DRO (Diesel Range)	ļ	8,775	mg/kg		2,500	TCEQ 1005.03	DMB	10-24-05	21:05
ORO (Oil Range)	l	12,370	mg/kg	j	2,500	TCEQ 1005.03	DMB	10-24-05	21:05
TOTAL TPH		21,145	mg/kg		2,500			10-24-05	21:05
RCI	ľ								
Reactive Cyanide	<	20	mg/kg	250	20	EPA SW846.7.3.	DB	10-21-05	8:20
Reactive Sulfide	<	20	mg/kg	500	20	EPA SW846.7.3.4	DB	10-21-05	8:20
Corrosivity (Ph)	1	7.71	su	=>2; =<12.5		SW846.9045C	MN	10-21-05	10:30
Ignitability	>	200	°F	> 140		SW846.1010	DB	10-21-05	11:45
METALS (RCRA) - TCLP	l					SW846.1311	MN	10-20-05	
Arsenic	<	0.02	mg/l	5.0	0.02	SW846.6010B	DCW	10-26-05	11:24
Barium	ļ	0.66	mg/l	100	0.02	SW846.6010B	DCW	10-26-05	11:24
Cadmium	<	0.02	mg/l	1.0	0.02	SW846.6010B	DCW	10-26-05	11:24
Chromium	<	0.02	mg/i	5.0	0.02	SW846.6010B	DCW	10-26-05	11:24
Lead	<	0.015	mg/l	5.0	0.015	SW846.6010B	DCW	10-26-05	11:24
Selenium	<	0.05	mg/l	1.0	0.05	SW846.6010B	DCW	10-26-05	11:24
Silver	<	0.05	mg/ī	5.0	0.05	SW846.6010B	DCW	10-26-05	11:24
Mercury	<	0.002	mg/l	0.20	0.002	SW846.7470A	MN	10-24-05	09:00
METALS - TOTAL				1 1			ļ		10.00
Antimony		0.95	mg/kg ≔		0.08	SW846.6010B	DCW	10-28-05	19:53
Arsenic		4.33	mg/kg		0.23	SW846.6010B	DCW	10-28-05	19:53
Barium		19.7	mg/kg	]	0.08	SW846.6010B	DCW	10-28-05	19:53
Beryllium		0.82	mg/kg		0.05	SW846.6010B	DCW	10-28-05	19:53
Cadmium		0.07	mg/kg		0.03	SW846.6010B	DCW	10-28-05	19:53
Chromium		18.0	mg/kg		0.03	SW846.6010B	DCW	10-28-05	19:53
Lead		5.37	mg/kg	- 1	0.08	SW846.6010B	DCW	10-28-05	19:53
Vickel		31.00	mg/kg		0.05	SW846.6010B		10-28-05	19:53
Selenium		0.80	mg/kg	1	0.40	SW846.6010B		10-28-05	19:53
Silver		0.17	mg/kg	'	0.10	SW846.6010B		10-28-05	19:53
/anadium		2.75	mg/kg		0.03	SW846.6010B	1	10-28-05	19:53
Mercury	<	0.03	mg/kg	-	0.03	SW846.7470A	<b>I</b>	10-28-05	11:00
Pefinitions: TCLP - Toxcisity Char			·			h			

REG - Regulatory Limit (User Should Confirm Lim TPH - Total petroleum Hydrocarbons

MQL - Method Quanitation Limit

PPM - Parts Per Million

mg/I - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D Laboratory Director

			ED A OLAKO	46/5030/8021	ה	TRAKTOIV.	LEACHATE
ANALYSIS:	DTEV	IMPERIOR.	LPA SVVX	ムトノトロ・ミロノスロンコ	H	IMATKIA:	LEACHAIL
HANAL I DIO.	DIEA	INCHIOD.	E1 74 O110	-0,0000,00 <u>-</u> 1	_	1	
II. 11 12 1- 1- 1 - 1 - 1 - 1							

ANALYST:	dmb	JUNITS:	mg/l	INO.SAMPLES: 12
MINALIOI.	unio	CIVITO.	1119/1	

SAMPLES:	51180-01	51180-02	51180-03	51181-01	51185-01	51186-01	51189-02	51197-02
	51200-01	51214-01	51215-01	51215-02				

MATRIX	MATRIX	SPIKE	MS	MS	MSD	RPD	CCV	MB	QC LIMIT	S (%)
51215-01	RESULTS	ADDED	RESULTS	REC	REC	1	REC		REC-RANGE	RPD
BENZENE	0	100	110	110	109	2	118	0	60 - 120	20
TOLUENE	0	100	110	110	101	9	101	0	60 - 120	20
Et-BENZENE	0	100	102	102	101	1	107	• 0	60 - 120	20
XYLENES	0	300	296	99	100	1	93	0	60 - 120	20
MTBE	0	100	83	83	95	14	99	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)

Ethylbenzene (ETBZ), Xylenes (XYLS)

MTBE - Methyl-tert-butyl ether

CCV - Continuing Calibration Verification

MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative Percent Difference

**REC - Recovery Percent** 

JOHN KELLER, Ph.D

Lab.Dir./QA-QC Mgr.

11/2/05

DATE

.

ANALYSIS:	TPH	IMETHOD:	TNRCC 1005.3
II			

TAXABLE TO TAXABLE TO		DAATOIV.	COU	ILIMITO.	man /lem	LCARROLEC.	15
ANALYST:	dmb	IMATRIX:	SOIL	IUNITS:	ma/ka	ISAMPLES:	10 1
BUILDI.	unio	1000 (17 (0) ()		10.4.707			

SAMPLES:	51194-01	51195-01	51197-01	51197-02	51197-03	51197-04	51197-05
	51200-01	51190-01	51212-01	51214-01	51215-01	51215-02	51215-03
	51215-04	·					

.// DE	a   n=a				QC LIMITS	
g/kg RE	C REC	REC	REC	RPD	REC	RPD
50 10	5 93	101	94	6	70 - 130	30
50 10	6 111	105	108	3	70 - 130	30
	50 10	50         105         93           50         106         111	50         105         93         101           50         106         111         105	50         105         93         101         94           50         106         111         105         108	50         105         93         101         94         6           50         106         111         105         108         3	50         105         93         101         94         6         70 - 130           50         106         111         105         108         3         70 - 130

JOHN KEVLER, Ph.D, Lab.Dir./QA-QC Mgr.

10/21/05 DATE

KEY:

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

CCV - Continuing Calibration Verification

MB - Method Blank

LCS - Laboratory Control Sample

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative % Difference

REC - Recovery %

ANALYSIS:	METALS		METHOD:	EPA SW	846/6010	MATRIX:	LIQUID
ANALYST:	DB	DATE:	10.19.05	UNITS:	PPM (mg/l)	NO.SAMPLES:	3
SAMPLES:	51182.01	51182.02	51214.01	<b>T</b>			
	ļ	<del> </del>			<del>                                     </del>		<del> </del>

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS	BATCH ID:	50952.02
	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	السعب سعيد

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METHOD	QC LIN	/ITS
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF. %	CALIB.	BLANK	RECOV.	DIFF.
Arsenic	0.00	5	5.01	100	100	0	100	0	75 - 125	20
Barium	0.00	5	5.08	102	101	1	100	0	75 - 125	20
Cadmium	0.00	5	5.04	101	101	0	100	0	75 - 125	20
Chromium	0.00	5	5.08	102	101	0	100	0	75 - 125	20
Lead	0.00	5	5.04	101	101	0	99	0	75 - 125	20
Selenium	0.00	5	4.82	96	95	1	100	0	75 - 125	20
Silver	0.00	5	5.09	102	101	1	102	0	75 - 125	20

JOHN KELLER, Ph.D Laboratory Director

ANALYSIS: MERCUI	Y IMETHOD: EPA	A SW846/7471A	MATRIX:	TCLP Fluid #1

TARLALLIZATO AAAL	TO ATE	40.04.05	THAT C.		INO SAMPLES	4.4	
JANALYSTS: MN	IDATE:	10.24.05	IUNITS:	mg/l	INO.SAMPLES:	1 1	
grate te loto. Init	D/ 11 C.		10.11.0.	9	1.10.0	• • •	

SAMPLES:	51213.01	51214.01	51215.01	51215.02	51215.03	51215.04	51216.01	51212.01
ı	51220.01	51218.01	51215.04					
l								

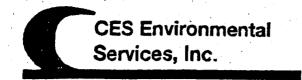
#### MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METH.	CORR.	QC LI	MITS
Fluid #1	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF.	CÁLIB.	BLANK	COEFF	RECOV.	DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	1	60 - 120	20

JOHN KELLER, Ph.D Laboratory Director

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		713-29															*				Jue	6,W.
	CHAIN OF CUSTO	Results Io: ERICA BOGAN Company:						Invoice To:									TAT (WORKING DAYS) CIRCLE ONE 1 2 3 5					
ENVIRON		CESE	CES ENVIRON. SECUL					Compone										LAB LOT #		COC Preser		
Express Laboratories	Page of	Address: 4904	Cell	lide	SE	D	A	ddress	3:										Shipment S Yes	Sealed? No	Samples Ser	
ENVIRON EXPRESS LABORATORIES, INC. 401 North 11th. St. / La Porte, Texas 77571-3115		City Housto	City Houston State: 7				٥١١	ity:		State: Zip:					y	Received on Ice?		Samples Inta	act? No			
(281) 471 <mark>-</mark> 0951 / Fax: (281) 471-58	Phone: 713-	ne: 713-676-1				Р	Phone: Fax:									Cooler Ten		Preservative Yes (No				
e-mail: environex Project Name:	p@aol.com	e-Mail: Sampler Remarks:	<sup>2</sup> Cntr.				P	O#:	7	- T			Quot	e#:					Hold Time	OK?	Res. Cl2 Che Yes No	
AMERIC Project Location:			Number Volum	r		_			1	4									pH Check (	OK?	COC & Labe	
4600005+13	5770 HODUSTRIAL ED			rvative					1												Additional Analys	
Project No:	3770			ng.				7		TOL	4		2 185						N.		ا د سره د	
Sampler (Print):	A BOGANO			(C)OMP / (G)RAB	_	35)			_		RCRA 8 METALS		eweever						<b>7</b>		Metal.	
Sampler (Sign):	W Bon		MATRIX	) / dM	BTEX (8021)	TPH (TX1005)			VOLATILES	SEMI-VOLS	4 8 ME	7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							Telp	meTHL5	
EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME . SAMPLED	MA	<u>Ö</u>	втех	тРН	ĕ	PAH	9	SEMI	RCR.	Ŋ	$\bar{\mathcal{M}}$							nde	тетпь ( cd (4)	
51214.01	1) OIL, DIRT, SUAG	3100 P.N				X					X	X	X									
	2)																					
	3)																					
	4)																					
	5)		7																			
	6)																					
	7)																					
	8)																	i			· · · · · · · · · · · · · · · · · · ·	
	9)							T										-				
	10)											1				2						
Relinguished By:	M Bon C	Company:	1. 51	אוועיזכ		/Time:		- 14	00	Recei	ve <b>(</b> E	le.	رار	1	<u> </u>	7	000		Company:	En	Jain )	
Relinquished By:  Company:																						
Relinquished By: Company: Date/Time:								Received By: Company:														
Matrix Key S:Soil W:Water WW:Waste Water SL:Sludge SO:Solid SE:Sediment L: Leachate WI:Wipe OR:Organic OL:Oil DS:Drum Solid DL:Drum Liquid O:Other																						
	P:Plastic G:Glass V:VOA Glas	Type Key	<u>:38(</u>	annelli (	<b></b> ∟08	ionale	371.44							-,	3 P	rese	rvati	ve K	ev	<del></del>		
P:Plastic G:Glass V:VOA Glass O:Other 1:lce(<4°C) 2:HCL 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:None																						



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Receiving Report**

Profile #: 1281	
Generator: AMERIFORGE CORP.	
Address: 13770 FNOUSTRIAL	
Name of Waste: WASTE SLUBGE & SLAG	· · · · · · · · · · · · · · · · · · ·
TCEQ Waste Code Number: 00076031	
Incompatibilities: Nove Known	
Safety Related Data/Special Handling: STANDARD F	PE
Waste Sample Data	
Color of Sample: BROWN	
Physical Appearance	
LiquidSolid	aludae X
Multiphase Liquid Solid	Sludge
Describe:	
<ul> <li>Matches description from the waste profile:</li> </ul>	✓ YES □ NO
<ul> <li>Matches general composition from the waste profile:</li> </ul>	✓ YES NO
pH of liquid (water phase):	
• Odor: <u>ol</u> LY	
<ul> <li>Compatible with proposed mix material:</li> </ul>	YES □ NO
(EPA-600/2-80-076 review if applicable)	
■ Drum process code(s) assigned (see list): otB-1	
Bulk process code assigned (see list):	
Bulk tank assigned:	
Shipment Information	en en en en en en en en en en en en en e
Job Confirmation Number: 7270	
Waste Manifest Number: 3957059	
Date of Shipment: 01/07/06	
Container Type (i.e. drum, tote, etc.): TANKER	The second secon
Quantity: 2 DRUMS	
<b>,</b>	and the second s
M - 1	
ASTOR	Data: 01/01/06
Analyst/Sampler	Date:



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #:

HOU-1281

Customer:

**Ameriforge Corporation** 

Waste Generator:

**Ameriforge Corporation** 

Waste Stream Name:

Non-RCRA Waste Sludge and Slag

**Expiration Date:** 

1/3/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Customer Name

1

λ · C

Company / Title

Date

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals

TCLP Volatiles

**TCLP** Semi-volatiles

Reactivity

Corrosivity

Ignitability

RCRA 8 metals, solids



No. 10341

No. 10341

smead com Made in USA

Made with
Cutt each Paper

#### **Gary Peterson**

From:

Gary Peterson

Sent:

Monday, March 03, 2008 10:22 AM

To:

Al Longoria; Morgan McCarley; Dan Bowman

Cc:

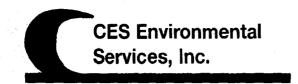
Bo Cumberland; Marlin Moser; Prabhaker Thangudu

Subject:

Recertification

**Texmark is coming in today. Profile 1288 needs recertification.** The material is a biosludge. One correction on the profile is the waste needs to be a liquid and solid combination. Also the material should be a multiphase. The profile lists reactive cyanides as < 20 ppm. This is too high. The reactive cyanides needs to be less than 2 ppm. This is our permit limit. All else looks good.

**Houston & Plating is here. Profile 1166 needs recertification.** The profile lists some metals but the zinc is blank. Zinc needs to be declared. The physical state is not declared. The sample today has 2% solids. The material is a combination of liquid and solids. The profile states analytical supporting documents includes a TCLP. There is not any analytical documents in the folder. All else looks good.



## Waste Pre-Acceptance/Approval Letter

Date 2/9/2006

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1288

Generator: Texmark Chemicals, Inc.

**Address:** 900 Clinton Drive

Galena Park, TX 77547

### Waste Information

Name of Waste: Biosludge

**TCEQ Waste Code #:** 00036072

Container Type: Truck

**Detailed Description of Process Generating Waste:** Bio-solids from treatment of industrial wastewater

Color: Dark Brown

Odor: Slight

**pH:** 3-11

Physical State: Liquid

Incompatibilities: None Known

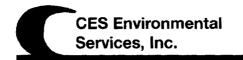
Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

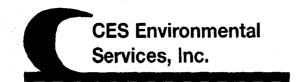
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Information					
Company :	Texmark Chemica	ls, Inc.			<u> </u>	<u> </u>
Address:	900 Clinton Drive					
City, State, Zip:	Galena Park TX 7	7547				
Contact :	Linda Salinas			Title	: EH&S Manager	
Phone No :	(713) 455-1206			Fax:	713-455-8959	
24 / HR Phone :	(713) 455-1206					
U.S EPA I.D No:	TXD088363692					•
State I.D:	30654			SIC	ode N/A	
				<del>-</del> -		
SECTION 2: Billing	Information					
Company :	Texmark Chemica	ls, Inc.				
Address :	900 Clinton Drive		·			
City, State, Zip :	Galena Park TX 77	7547	<u> </u>			
Contact:	Linda Salinas			Title	EH&S Manager	
Phone No:	(713) 455-1206			Fax:	713-455-8959	
SECTION 3: Genera	I Description of the	Waste				
Name of Waste :		TVESTO				
	ion of Process Ge	norating Wast				<del></del>
•	atment of industrial	_	.c.			
Physical State :	Liquid	· 🗌 SI	udge	☐ Powder		
	☐ Solid	☐ Fi	lter Cake	Combinat	ion	
Color:		Dark Brov	vn Ode	or:		Slight
Specific Gravity (	Water=1) :	1	Der	nsity :	8.34	lbs / gal
Layers :	✓ Single-Pha	e	ulti-Phase	·		
	<b>₩</b> Omgre-i ne		uiti-i iluge			
Container Type :	Drum	Tote	<b>✓</b> Truck	Other	(explain)	
Container Size :		· · · · · · · · · · · · · · · · · · ·	130 bbl			
Number Of Units	:5					
Texas State Wast	e Code No :	0003607	<b>'</b> 2	,		
Proper U.S. State	Waste Code No :		Non-l	RCRA/Non D	OT regulated biosludge	
Class :	UN	1/NA :		PG:		RQ:
Flash Poin		pH	Reactive Su		Reactive Cyanides	Solids
>200		3-11	<20	mg/l	<20 mg/l	2-4 %
Oil and Grea	se	гос	Zinc		Copper	Nickel
<1500	mg/l	N/A mg/i	N/A	mg/l	N/A mg/l	N/A mg/l

### **SECTION 4: Physical and Chemical Data**

The woo	COMPONENTS TABLE ste consists of the following materials	Concentration Ranges are acceptable	Units or %
ine was	Bio-solids	2-4	%
	Water	93-96	%
ECTION 5: Safety Related	Data		
	aste requires the use of special protective equipment	, please explain.	
standard PPE Required			
ECTION 6: Attached Supp	orting Documents		
ist all documents, note	s, data, and/or analysis attached to this form as part o	of the waste approval package.	
lone			
ECTION 7: Independed by 1994	_		
ECTION 7: Incompatibilitie Please list all incompatil			
lone Known	onides (if any):		
ECTION 8: Generator's Kn	owledge Documentation		
aboratory analysis of th ollowing generators kno	ne hazardous waste characteristics, listed below, WA owledge	S NOT PERFORMED based upon th	е
CLP Metals :	TCLP Metals are below regulatory limits		
CLP Volatilies :	TCLP Volatiles are below regulatory limits		
CLP Semi-Volatiles :	TCLP Semi-Volatiles are below regulatory limits		
leactivity :	No reactive materials are present		
corrosivity :	pH is neutral		
gnitability :	No ignitable materials are present		
ECTION 9: Generator's Ce			
	ed herein is based on 🗹 generator knowledge and/o cription is complete and accurate to the best of my kn		
leliberate or willful omis	sions of composition properties exist and that all kno	own or suspected hazards have bee	
isclosed. I certify that t	he materials tested are representative of all materials	described by this document.	
Authorized Signature :		Date: 1/4/2006	
Printed Name / Title : _	Linda Salinas / EH&S Manager	<del>-</del>	
CES USE ONLY (DO NO	T WRITE IN THIS SPACE)	Additional Information	
Compliance Officer :	Rubhn Blog ged		
omphanos omos			
Date: 2/9/200	6 Status: Approved Rejected		
•	6 Status: Approved Rejected		

SECTION	ON 10: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge ?    YES    NO
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oile S	ubcategory:Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
	ics Subcategory Subpart C Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
_	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources



## Waste Pre-Acceptance/Approval Letter

Date 2/9/2006

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1288

Generator: Texmark Chemicals, Inc.

**Address:** 900 Clinton Drive

Galena Park, TX 77547

### Waste Information

Name of Waste: Biosludge

**TCEQ Waste Code #:** 00036072

Container Type: Truck

**Detailed Description of Process Generating Waste:** Bio-solids from treatment of industrial wastewater

Color: Dark Brown

Odor: Slight

**pH:** 3-11

Physical State: Liquid

Incompatibilities: None Known

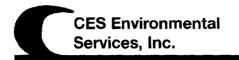
Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

(713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 **ISWR No: 30900** 

SECTION 1: Gener	ator Info	rmation											
Company :	Texmai	rk Chem	nicals, Inc										
Address :	900 Cli	nton Dri	ve										
City, State, Zip:	Galena	Park TX	X 77547										
Contact :	Linda S	Salinas						Title :	EH&S M	anager			
Phone No:	(713) 4	55-1206	3					Fax :	713-455	8959			
24 / HR Phone :	(713) 4	55-1206	3										
U.S EPA I.D No:	TXD08	8363692	2										
State I.D:	30654							SIC Code	N/A				
SECTION 2: Billing	Informa	tion											
Company:	Texmar	k Chem	icals, Inc.										
Address :	900 Clir	nton Dri	ve										
City, State, Zip:	Galena	Park TX	X 77547										
Contact :	Linda S	alinas						Title :	EH&S M	anager			
Phone No:	(713) 4	55-1206	;					Fax:	713-455-	8959			
SECTION 3: General			the Waste										
Name of Waste :	Bioslud	ge				<del></del>					·		
Detailed Descript	tion of F	rocess	Generati	ng Wast	te:								
Bio-solids from tre	atment o	of indust	trial waste	water									
Physical State :	V	Liquid		- □ SI	udge		☐ Pow	rder					
,		Solid			Iter Cake	ě							
	ائا	Soliu		FI	ner cake		□ con	nbination					
Color :				ark Brov	vn	Odd	or:				Slight		
Specific Gravity (	Water=	1):		1		Der	nsity :			8.34		lbs	/ gal
Layers :		Single-	Dhae		ulti-Phas		-						
Layers.		onigie-	FIIGS		uitirriias			÷.					
Container Type:		Drum		Tote	<b>~</b>	Truck		Other (exp	olain)				
Container Size :						130 bbl							
Number Of Units	:	5											
Texas State Wast	te Code	No:		0003607	<b>'</b> 2		*						
Proper U.S. State	Waste	Code N	o:			Non-f	RCRA/N	lon DOT re	gulated b	iosludge			
Class :			UN/NA:				PG	•			RQ:		
											-		
Flash Poin	t		рΗ	· · · ·	Read	ctive Sul	lfides	Reac	tive Cyan	ides	So	ids	
>200	_		3-11			<20	mg	4 . <u> </u>	<20	mg/l	2	-4	%
Oil and Grea	ise		TOC			Zinc	<del></del>		Copper		Nic	kel	
<1500	ma/l	İ.	N/A	ma/i		N/A	ma		N/A	ma/l		/A	ma/l



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Waste Profile Re-Certification Form**

CES Waste Approval #:	<u>1288</u>	
Customer:	Texmark Chemi	icals, Inc.
Waste Generator:	Texmark Chemi	icals, Inc.
Waste Stream Name:	Biosludge	
Expiration Date:	2/9/2008	
profiles on an annual basis generation process of the a hazardous as per 40 CFR 2 Generator hereby certifies	The purpose of this forementioned waste s 61.3.	ntal Services, Inc. requires recertification of all approved waste form is to confirm that no changes have been made in the stream and that the waste stream remains classified as non- in the aforementioned waste stream and the process generating d the aforementioned CES Waste Approval Number: (Check
No changes, please rece	rtify.	☐ Analysis is NOT required for recertification.
☐ Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.
(Customer Name Signature		<ul> <li>□ TCLP Metals</li> <li>□ TCLP Volatiles</li> <li>□ TCLP Semi-volatiles</li> <li>□ Reactivity</li> <li>□ Corrosivity</li> <li>□ Ignitability</li> </ul>
Company / Title	· · · · · · · · · · · · · · · · · · ·	
<u>Q</u>	<del></del>	
Date		

### Laboratory Analysis Report

Total Number of Pages:

Job ID: 98454



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project ID:

Bio Sludge Profile - Digester

Report To:

Client Name:

Texmark Chemicals, Inc

P.O.#.: TX-15429

Attn:

Linda Salinas

Sample Collected By:

Client Address: P.O. Box 67

Date Collected: 05/15/08

City, State, Zip: Galena Park, Texas, 77547

A&B Labs has analyzed the following samples...

Client Sample ID

Matrix

A&B Sample ID

Digester Bio Sludge

Sludge

98454.01

Sonia West

Released By: Sonia West

Title:

Senior Project Manager

Date:

5/22/2008



This Laboratory is NELAP (T104704213-07-TX) accredited. Effective: 07/01/07; Expires: 06/30/08

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Additional analyses to report dated May 19, 2008.

Date Received: 05/15/2008 11:10

#### LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Post-Wt

Pre-Wt

RegLimit

**RptLimit** 

RPD

surr

TNTC

Т

ppm

Post Weight

Qualifier

parts per million

Previous Weight

Regulatory Limit

Reporting Limit

Surrogate

Time

Relative Percent Difference

Too numerous to count



Job ID:

98454

Date:

5/22/2008

General Term Definition

Back-Wt

Back Weight

BRL

**Below Reporting Limit** colony-forming units

cfu Conc.

Concentration

D.F.

Dilution Factor

Front-Wt

Front Weight

LCS

Laboratory Check Standard

LCSD

Laboratory Check Standard Duplicate

MS

Matrix Spike

MSD lмw

M2

Matrix Spike Duplicate

Molecular Weight

Qualifier Definition

Matrix Spike/Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.

### LABORATORY TEST RESULTS

Job ID:

98454

Date 5/22/2008

Attn: Linda Salinas

Client Name: Texmark Chemicals, Inc

Project ID: Bio Sludge Profile - Digester

Client Sample ID: Date Collected:

Digester Bio Sludge

05/15/08

Job Sample ID:

Sample Matrix

98454.01 Sludge

Time Collected: Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit Q	Date Time	Analyst
SW-846 6010C	Total Metals					·		
ļ	Antimony	0.782	mg/Kg	1	0.5		05/21/08 11:59	RB
	Beryllium	BRL	mg/Kg	1	0.5		05/21/08 11:59	RB
	Nickel	6.31	mg/Kg	1	0.5		05/21/08 11:59	RB

### QUALITY CONTROL CERTIFICATE



Digestion:

Job ID: 98454

Date:

5/22/2008

Analysis: Total Metals

Method:

SW-846 6010C

Reporting Units : mg/Kg

**QC Batch ID**: Qb08052101

Created Date: 05/20/08

Created By: Rbairamadgi

Samples in This QC Batch:

**ch**: 98454.01 PB08052101

Prep Method: SW-846 3050B

Prep Date: 05/20/08 17:00 Prep By:

Rbairamadgi

QC Type: Method Blank						
Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Antimony	7440-36-0	BRL	mg/Kg	1	0.5	
Beryllium	7440-41-7	BRL	mg/Kg	1	0.5	
Nickel	7440-02-0	BRL	mg/Kg	1	0.5	

QC Type:	LCS and LCS	D							<del>-</del>		
Parameter		LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony		25	25.1	100						80-120	
Beryllium		25	25.1	100				ĺ		80-120	
Nickel		25	25.3	101				_	_	80-120	

QC Type: MS and MSD	-										
QC Sample ID: 98484.	.05										
	Sample	MS	MS	MS	MSD	MSD	MSD		RPD	%Rec	
Parameter	Result	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
Antimony	7.80	25	20.2	49.6	25	20.8	52	4.72	20	70-130	M2
Beryllium	BRL	25	25.7	103	25	26.5	106	3.07	20	70-130	
Nickel	8.26	25	31.3	92.2	25	33.1	99.4	5.59	20	70-130	

A & B Environmental Services, Inc. 10100 East Freeway, Suite 100 Houston, TX 77029 713-453-6060 Fax 713-453-6091



Page 1 of \_\_\_\_

### -Asbestos Bulk Sample Chain-of-Custody

A&	B Job ID:	9845	4		TAT (Check one):	•	nediate (2-4 hour) Rush (24 hour) 3-5 working days)	X
	mpany: dress:	Report to:			Company: Address:	Invoice	e to: MANK	
Cor Pho Fax Em	::				Contact: Phone: Fax: Email: PO#:	712.4	Salinas 95-1246 NAS & TIXM 5429	49k.07
San	ject Name/#: npler's Name & npany:	Bios	hidge Pu		Nethod of Shipment:	· ·		,
	Client Sa	mple#	A&B S	Sx ID	Туре		ANAITSES	
1	Digitation [	=1064126is	.011	7/B		11	RCI, TCLP ME	tals
				•	Type and location a		Uól, sem. vól, E	1

ab-s003-0804





Date: 05/22/08

A&B	JobID:	98454		Da	te Received	: 05,	/15/2008	<u> </u>	Time 1	Received :	11:10AN	1	
Clien	nt Name :	Texmark	Chemica	als, Inc		<del> </del>							
Tem	perature :	20.9°C		Sa	mple pH:	N//	4						
									4 7 2				
					Ch	eck Po	oints	64				Yes	No
1.	Cooler sea	al present a	nd signed			<u> </u>		<u> </u>	ia (u nung <u>in) y</u>	<u> </u>	3/3/3/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2		Х
2.	Sample(s)	in a coole	r.										Х
3.	If yes, ice	in cooler.											Х
4.	Sample(s)	received v	vith chain	-of-custo	dy.							х	
5.	C-O-C sign	ned and dat	ted.									Х	
6.	Sample(s)	received v	vith signe	d sample	custody sea	l.							Х
7.					comment).							Х	
8.	Matrix :	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Oth	
					<u> </u>								<u> </u>
9.					container(s	).	·					X	
10.					reservative			<u>.</u>				ļ	
11.		s were log										X	
12.	Sample ID	labels mat	tch C-O-C	ID's							····	×	
13.		int on C-O-										X	
14.					s requested.							X	
15.		vere receiv		the hold	time.					·		X	
16.	<del></del>	completely	filled.							<del></del>		N/A	
17.	Sample ac									_		Х	
Comi	ments : Inc	lude action	s taken to	resolve	discrepancie	s/prob	lem:	45.44E 110					
					<del></del>		<u>.</u>	<del></del>					
Rece	eived by :	mperalta					Check ir	n by/date :	mperalta	/ 05/15/200	)8		
hone	: 713-453-	6060									www.ablabs	.com	

### Laboratory Analysis Report

Total Number of Pages:

Job ID: 98454



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project ID:

Bio Sludge Profile - Digester

Report To:

Client Name:

Texmark Chemicals, Inc

P.O.#.: TX-15429

Attn:

Linda Salinas

Sample Collected By:

Client Address: P.O. Box 67

Date Collected:

Oit Chata Zin Colone Dade

City, State, Zip: Galena Park, Texas, 77547

A&B Labs has analyzed the following samples...

Client Sample ID

Matrix

A&B Sample ID

Digester Bio Sludge

Sludge

98454.01

Released By:

Title:

Date:

5/19/2008



This Laboratory is NELAP (T104704213-07-TX) accredited. Effective: 07/01/07; Expires: 06/30/08 Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

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Date Received: 05/15/2008 11:10

### LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Post-Wt

ppm

RPD

surr

TNTC

Pre-Wt

RegLimit

**RptLimit** 

Post Weight

Qualifier

parts per million

Previous Weight

Regulatory Limit

Reporting Limit

Surrogate

Time

Relative Percent Difference

Too numerous to count



Job ID:

98454

Date:

5/19/2008

General Term Definition

Back-Wt

Back Weight

BRL

**Below Reporting Limit** colony-forming units

cfu Conc.

Concentration

D.F.

**Dilution Factor** 

Front-Wt

Front Weight

LCS

Laboratory Check Standard Laboratory Check Standard Duplicate

LCSD

Matrix Spike

MS MSD

Matrix Spike Duplicate

мw

**S6** 

Qualifier Definition

Molecular Weight

Surrogate recovery is outside control limits due to matrix effects.

Page 2 of 6

#### LABORATORY TEST RESULTS

Job ID:

98454

Date 5/19/2008

Client Name:

Texmark Chemicals, Inc

Attn: Linda Salinas

Project ID:

Bio Sludge Profile - Digester

Job Sample ID:

Client Sample ID:

Digester Bio Sludge

98454.01

Date Collected: Time Collected:

05/15/08

Sample Matrix

Sludge

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit Q	Date Time	Analys
SW-846 1010	Ignitability (Flash Point)							
	Ignitability	>150	°F	1			05/19/08 12:00	SG
SW-846 6010C	TCLP Metals							
	Arsenic	BRL	mg/L	1	0.1	5.0	05/19/08 12:17	RB
	Barium	0.33	mg/L	1	0.1	100.0	05/19/08 12:17	RB
	Cadmium	BRL	mg/L	1	0.1	1.0	05/19/08 12:17	RB
	Chromium	BRL	mg/L	1	0.1	5.0	05/19/08 12:17	RB
	Lead	BRL	mg/L	1	0.1	5.0	05/19/08 12:17	RB
	Selenium	BRL	mg/L	1	0.5	1.0	05/19/08 12:17	RB
	Silver	BRL	mg/L	1	0.1	5.0	05/19/08 12:17	RB
SW-846 7.3	Reactivity							
	Reactive Cyanide	BRL	mg/ <b>K</b> g	1	25		05/16/08 13:30	KS
SW-846 7.3	Reactivity							
·	Reactive Sulfide	180	mg/Kg	1	25		05/16/08 08:45	KS
SW-846 7470A	TCLP Metals, Mercury		<i></i> •					
G17 G 10 7 7 0A	Mercury	BRL	mg/L	1	0.002	0.2	05/16/08 16:56	BS
SW-846 8260B	TCLP VOC		9/ –	-	0.002	<b>~</b>	00, 10, 00 10.00	
3VV-040 6200B	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6	05/16/08 11:41	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5	05/16/08 11:41	HW
	1,4-Dichlorobenzene	BRL	mg/L	1	0.15	7.5	05/16/08 11:41	HW
	Benzene	BRL	mg/L	1	0.13	0.5	05/16/08 11:41	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5	05/16/08 11:41	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70	05/16/08 11:41	HW
	Chloroform	BRL	mg/L	1	0.13	6	05/16/08 11:41	HW
	MEK	BRL	mg/L	1	0.13	200	05/16/08 11:41	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7	05/16/08 11:41	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5	05/16/08 11:41	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2	05/16/08 11:41	HW
	1,2-Dichloroethane-d4(surr)	106	%	1	70-130		05/16/08 11:41	HW
	Dibromofluoromethane(surr)	101	%	1	70-130		05/16/08 11:41	HW
	p-Bromofluorobenzene(surr)	100	%	1	70-130		05/16/08 11:41	HW
	Toluene-d8(surr)	104	%	1	70-130		05/16/08 11:41	HW
SW-846 8270D	TCLP Semivolatiles	•		_			, -, -,	
344-040 02/0D	1,4-Dichlorobenzene	BRL	mg/L	1	0.05	7.5	05/16/08 14:11	ML
	2,4,5-Trichlorophenol	BRL	mg/L	1	0.05	400	05/16/08 14:11	ML
	2,4,6-Trichlorophenol	BRL	mg/L	1	0.05	2	05/16/08 14:11	ML
	2,4-Dinitrotoluene	BRL	mg/L	1	0.05	0.13	05/16/08 14:11	ML
	2-Methylphenol	BRL	mg/L	1	0.05	200	05/16/08 14:11	ML
	Z FIGUIVIDIRCINO	PILL	1119/ -	_	0.05	200	00/ ±0/ 00 T4*TT	1116

#### LABORATORY TEST RESULTS

Job ID:

98454

Date 5/19/2008

Client Name: Project ID:

Texmark Chemicals, Inc

Bio Sludge Profile - Digester

Attn: Linda Salinas

Client Sample ID: Digester Bio Sludge

Job Sample ID:

98454.01

Date Collected:

05/15/08

Sample Matrix

Sludge

Time Collected:

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles							
	Hexachlorobenzene	BRL	mg/L	1	0.05	0.13	05/16/08 14:11	ML
	Hexachlorobutadiene	BRL	mg/L	1	0.05	0.4	05/16/08 14:11	ML
	Hexachloroethane	BRL	mg/L	1	0.05	3	05/16/08 14:11	ML
	Nitrobenzene	BRL	mg/L	1	0.05	2	05/16/08 14:11	ML
	Pentachlorophenol	BRL	mg/L	1	1.25	100	05/16/08 14:11	ML
	Pyridine	BRL	mg/L	1	0.05	4	05/16/08 14:11	ML
	2,4,6-Tribromophenol(surr)	71.4	%	1	10-120		05/16/08 14:11	ML
	2-Fluorobiphenyl(surr)	56.1	%	1	30-115		05/16/08 14:11	ML
	2-Fluorophenol(surr)	48	%	1	20-115		05/16/08 14:11	ML
	Nitrobenzene-d5(surr)	56.9	%	1	20-120		05/16/08 14:11	ML
	Phenol-d6(surr)	51.2	%	1	15-120		05/16/08 14:11	ML
	p-Terphenyl-d14(surr)	62.8	%	1	30-140		05/16/08 14:11	ML
SW-846 9045D	Corrosivity, pH							
	pH	7.41	s.u.				05/16/08 11:35	SG
TX 1005	Total Petroleum Hydrocarbons							
	C6-C12	BRL	mg/Kg	5	63.5		05/15/08 21:38	WS
	>C12-C28	811	mg/Kg	5	91		05/15/08 21:38	W\$
	>C28-C35	412	mg/Kg	5	98		05/15/08 21:38	WS
	Total C6-C35	1223	mg/Kg	5			05/15/08 21:38	WS
	1-Chlorooctane(surr)	25	%	5	50-149	S6	05/15/08 21:38	WS
	Chlorooctadecane(surr)	85.4	%	5	50-149		05/15/08 21:38	WS

A & B Environmental Services, Inc. 10100 East Freeway, Suite 100 Houston, TX 77029 713-453-6060 Fax 713-453-6091



Page 1 of \_\_\_\_

### Asbestos Bulk Sample Chain-of-Custody

A&	ιΒ Job ID:	9845	4		TAT (Check one):		nediate (2-4 hour) Rush (24 hour) (3-5 working days)	_X
	mpany: dress:	Report to:			Company: Address:	Invoic	e to: MAN(C	
					Contact: Phone: Fax: Email: PO#:	713.4 713.4 65 AZI	Salinas 195-1279 95-1246 NAS ETEXA 5429	vrak.cr
Sar	ject Name/#: npler's Name & npany:	Rids	ludse Pr		-DizETheve Method of Shipment:			,
	Client Sa	mple#	A&B S	Sx ID	Туре		ANAITSES	
1 2 3 4 5 6 7	Diguston E	S. 35 Ludge	.O.I.	4/B BM.P.			RCI, TCLP ME Vol, SEM. vol, S TPH	
	nt Sample# is red nquished by:		x ID is assigned Date 5-/5-08		Received by:	ire optional.	Date:	Time

Page 5 of 6





Date: 05/19/08

1. Cooler seal present and si 2. Sample(s) in a cooler. 3. If yes, ice in cooler. 4. Sample(s) received with cooler. 5. C-O-C signed and dated. 6. Sample(s) received with si 7. Sample containers arrived matrix Water Scotts. 8.  9. Sample(s) were received si 10. Sample(s) were received si 11. All samples were logged cooler.	Sa	imple pH :	N/A eck Po							For the ex-
1. Cooler seal present and si 2. Sample(s) in a cooler. 3. If yes, ice in cooler. 4. Sample(s) received with of the cooler. 5. C-O-C signed and dated. 6. Sample(s) received with si 7. Sample containers arrived the cooler. 8.										Su 20 15
<ol> <li>Sample(s) in a cooler.</li> <li>If yes, ice in cooler.</li> <li>Sample(s) received with a cooler.</li> <li>C-O-C signed and dated.</li> <li>Sample(s) received with a cooler.</li> <li>Sample containers arrived and matrix water so cooler.</li> <li>Sample containers arrived and matrix water so cooler.</li> <li>Sample(s) were received cooler.</li> <li>Sample(s) were received cooler.</li> <li>All samples were logged cooler.</li> </ol>	gned.	Ch	eck Po	ints						Aug. 51 15.
<ol> <li>Sample(s) in a cooler.</li> <li>If yes, ice in cooler.</li> <li>Sample(s) received with a cooler.</li> <li>C-O-C signed and dated.</li> <li>Sample(s) received with a cooler.</li> <li>Sample containers arrived and matrix water so cooler.</li> <li>Sample containers arrived and matrix water so cooler.</li> <li>Sample(s) were received cooler.</li> <li>Sample(s) were received cooler.</li> <li>All samples were logged cooler.</li> </ol>	gned.	Ch	eck Po	ints	chekulta	C274.868 8.085.70		and the second s		
<ol> <li>Sample(s) in a cooler.</li> <li>If yes, ice in cooler.</li> <li>Sample(s) received with a cooler.</li> <li>C-O-C signed and dated.</li> <li>Sample(s) received with a cooler.</li> <li>Sample containers arrived and matrix water so cooler.</li> <li>Sample containers arrived and matrix water so cooler.</li> <li>Sample(s) were received cooler.</li> <li>Sample(s) were received cooler.</li> <li>All samples were logged cooler.</li> </ol>	gned.		8034 ( F. 105 ( )	one-water-training and the countries district					Yes	No
3. If yes, ice in cooler. 4. Sample(s) received with of the cooler. 5. C-O-C signed and dated. 6. Sample(s) received with signal and cooler. 7. Sample containers arrived and matrix Water Society. 8. Description of the cooler. 9. Sample(s) were received society. 10. Sample(s) were received society. 11. All samples were logged of the cooler.				<u> </u>	A STATE OF THE PARTY OF THE PAR	<u>-500_000_000</u>	<u></u>			Х
4. Sample(s) received with of 5. C-O-C signed and dated. 6. Sample(s) received with s 7. Sample containers arrived Matrix Water Sc 8. :										Х
5. C-O-C signed and dated. 6. Sample(s) received with s 7. Sample containers arrived 8.										Х
6. Sample(s) received with s 7. Sample containers arrived 8.	chain-of-custo	dy.							Х	
7. Sample containers arrived 8. Matrix Water Sc 9. Sample(s) were received 10. Sample(s) were received 11. All samples were logged of									Х	
8. : Water Sc. 9. Sample(s) were received 10. Sample(s) were received 11. All samples were logged of	igned sample	custody sea	l							Х
9. Sample(s) were received  10. Sample(s) were received  11. All samples were logged of									X	<u> </u>
9. Sample(s) were received 10. Sample(s) were received 11. All samples were logged of	•	Sludge	Solid	Cassette	Tube	Bulk 	Badge	Food	Oth	_
<ul><li>Sample(s) were received</li><li>All samples were logged of</li></ul>				<u>L</u>						<u>.                                    </u>
11. All samples were logged of			i-						X	
		reservative							<del>                                     </del>	
12. Sample 1D labels match C				· <del></del>		<u> </u>			X	$\vdash$
13. Bottle count on C-O-C ma		Farrad	<del></del>		w				X	<del> </del>
14. Sample volume is sufficient			<del></del>						^	
15. Samples were received w									^	
16. VOA vials completely filled				<del></del>					N/A	
17. Sample accepted.									X	
Comments : Include actions tak	en to resolve	discrepancie	s/probl	em:						
		, and ben								
Received by : mperalta				Check in	n by/date :	mperalta	a / 05/15/200	)8		
hone: 713-453-6060										

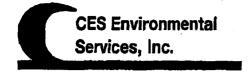
CES Waste Approval #: 1288

MAY-13-2008 16:29

CES ENVIROMENTAL

7137488664

P.001/001





4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

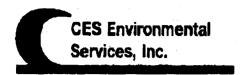
Customer:	Texmark Cher	mical	s. Inc.
Waste Generator:	Texmark Cher	<u>nical</u>	s, Inc.
Waste Stream Name:	<u>Biosludge</u>		•
Expiration Date:	2/9/2008		
profiles on an annual basis generation process of the a hazardous as per 40 CFR 2 Generator hereby certifies	s. The purpose of this aforementioned wast 261.3. that the components	is form e strea in the	Services, Inc. requires recertification of all approved was a is to confirm that no changes have been made in the am and that the waste stream remains classified as non-early aforementioned waste stream and the process generating aforementioned CES Waste Approval Number: (Check
No changes, please reco	ertify.		Analysis is NOT required for recertification.
<ul> <li>Please send new profile has changed.</li> </ul>	as waste stream		The following analysis is required for recertification. Please sumbit results of the following tests.
LINDA SalinAS			☐ TCLP Metals
Customer Name			☐ TCLP Volatiles
	•		☐ TCLP Semi-volatiles ☐ Reactivity
Signature			□ Corrosivity
			☐ Ignitability
O TEXMARK / EN Company / Title	10 WONNE WAS NOT	- g	
·			
0 51308			
Date			

JAN-22-2008 13:35

CES Environmental Sycs.

7137488664

P.01/01





4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #: 1289

Customer:

**Dana Container** 

Waste Generator:

**Dana Container** 

Waste Stream Name:

Wastewater and Sludge

**Expiration Date:** 

1/5/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

B No changes, please recertify.

Analysis is NOT required for recentification.

 Please send new profile as waste stream has changed.

The following analysis is required for recertification. Please sumbit results of the following tests.

BEN FERRINGEZ D'TCLP Metals ustomer Nag

OV TELP Volatiles TCLP Semi-volatiles

Reactivity

D/Corrosivity

Ignitability

## Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Attn:

**Ryan Thomas** 

- CERTIFICATE OF RESULTS -

MES Lab#:

8010583

Client Sample ID:

0108-47 Wastewater

DANA profile # 1289

Sample Collect Date: 1/23/2008 @ 10:00:00 AM Sample Receipt Date: 1/23/2008 @ 10:17:00 AM

Test Group / Method					
TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time
Vinyl chloride	0.10	0.2	< 0.10	mg/L	1/23/2008 / 10:45 PN
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	1/23/2008 / 10:45 PM
2-Butanone	0.50	200	< 0.50	mg/L	1/23/2008 / 10:45 PM
Chloroform	0.05	6	< 0.05	mg/L	1/23/2008 / 10:45 PN
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PN
Benzene	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PN
Trichloroethene	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PN
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	1/23/2008 / 10:45 PN
Chlorobenzene	0.05	100	0.37	mg/L	1/23/2008 / 10:45 PN
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	1/23/2008 / 10:45 PM
TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Pyridine	0.50	5	< 0.50	mg/L	1/26/2008 / 10:38 AN
1.4-Dichlorobenzene	0.50	7.5	< 0.50	mg/L	1/26/2008 / 10:38 AN
o-Cresol	0.50	200	< 0.50	mg/L	1/26/2008 / 10:38 AN
m+p-Cresol	0.50	200	< 0.50	mg/L	1/26/2008 / 10:38 AN
Hexachloroethane	0.50	3	< 0.50	mg/L	1/26/2008 / 10:38 AN
Nitrobenzene	0.50	2	< 0.50	mg/L	1/26/2008 / 10:38 AN
Hexachlorobutadiene	0.50	0.5	< 0.50	mg/L	1/26/2008 / 10:38 AN
2,4,6-Trichlorophenol	0.50	2	< 0.50	mg/L	1/26/2008 / 10:38 AM
2,4,5-Trichlorophenol	0,50	400	< 0.50	mg/L	1/26/2008 / 10:38 AM
2,4-Dinitrotoluene	0.50	0.13	< 0.50	mg/L	1/26/2008 / 10:38 AM
Hexachlorobenzene	0.50	0.13	< 0.50	mg/L	1/26/2008 / 10:38 AM
Pentachlorophenol	5.00	100	< 5.00	mg/L	1/26/2008 / 10:38 AM
O 4 D . 4		<del></del>			0 4 -5 /

Report Date: 28-Jan-08

Page 1 of 2

### - CERTIFICATE OF RESULTS -

MES Lab#:

8010583

Client Sample ID:

0108-47 Wastewater

Sample Collect Date: 1/23/2008 @ 10:00:00 AM Sample Receipt Date: 1/23/2008 @ 10:17:00 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: AM Date / Time
Arsenic	0,050	5	< 0.060	mg/L	1/28/2008 / 12:17 AM
Barium	0.002	100	0.122	mg/L	1/28/2008 / 12:17 AM
Cadmium	0.004	1	< 0.004	mg/L	1/28/2008 / 12:17 AM
Chromium	0.007	5	0.020	mg/L	1/28/2008 / 12:17 AM
Lead	0.010	5	< 0.010	mg/L	1/28/2008 / 12:17 AM
Selenium	0.050	1	< 0.050	mg/L	1/28/2008 / 12:17 AM
Silver	0.002	5	< 0.002	mg/L	1/28/2008 / 12:17 AM
TCLP Mercury					Analyst: AM
Method: SW-846 7470A	MDL_	RL	Result	Units	Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	1/25/2008 / 10:22 PM
Reactivity, Recoverable Hydroger Method: 7.3.3.2	n Cyanide MDL		Result	Units	Analyst: AB Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	1/23/2008 / 11:39 AM
Reactivity. Recoverable Hydroger Method: 7,3,4,2	n Sulfide MDL		Result	Units	Analyst: AB Date / Time
Hydrogen Sulfide	0.25		< 0.25	mg/kg	1/23/2008 / 11:45 AM
Corrosivity: pH Method: SW-846 9045	MDL		Result	Units	Analyst: JE Date / Time
рН			9.86		1/23/2008 / 2:45 PM
Ignitability Method: SW-846 1010	MDL		Result	Units	Analyst: DEB Date / Time
Flashpoint	171.25		>150	deg F	1/23/2008 / 11·20 AM
					attack production

· · · · · · · · · · · · · · · · · · ·
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S <u>a</u>dd

Report Date: 28-Jan-08

Page 2 of 2

**ANALYTE** 

pН

7.0

9.64

Reactivity as Hydrogen Sulfide < 0.25 < 0.25 0.00

9.64

mg/kg mg/kg RPD

ORIG DUP

ANALYTE  Arsenic Barium Cadmium Chromium Lead Mercury Selenium	MB mg/L  < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.002 < 0.002 < 0.0002 < 0.0002	94 105.0 109.4 109 106.1 101.0 108.1 110 STD	94 105 110.9 107 109.2 97.5 91.4 109	RPD  0.7 0.43 1.32 2.50 2.90 3.53 16.7 0.91	<pre>CCB mg/L  &lt; 0.002 &lt; 0.002 &lt; 0.001 &lt; 0.001 &lt; 0.002 &lt; 0.0002 &lt; 0.0002 &lt; 0.0002 &lt; 0.0001</pre>	91 10 10 10 10	E <b>C</b>	MS %REC 76.4 65.2 70.9 70.0 67.7 64.9 73.4	77.2 67.7 72.0 72.2 71.9 61.8 75.6	1.04 3.8 1.5 3.0 6.1 5.0 3.06
ANALYTE  Arsenic Barium Cadmium Chromium Lead Mercury Selenium	MB mg/L  < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.002 < 0.002	94 105.0 109.4 109 106.1 101.0 108.1	%REC 94 105 110.9 107 109.2 97.5 91.4	0.7 0.43 1.32 2.50 2.90 3.53 16.7	mg/L < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.0002 < 0.0002	91 10 10 10 10 10 10 87	E <b>C</b>	%REC 76.4 65.2 70.9 70.0 67.7 64.9	%REC 77.2 67.7 72.0 72.2 71.9 61.8	1.04 3.8 1.5 3.0 6.1
p-Terphenyl- ANALYTE  Arsenic Barium Cadmium Chromium Lead Mercury Selenium	MB mg/L  < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.002 < 0.002	94 105.0 109.4 109 106.1 101.0 108.1	%REC 94 105 110.9 107 109.2 97.5 91.4	0.7 0.43 1.32 2.50 2.90 3.53 16.7	mg/L < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.0002 < 0.0002	91 10 10 10 10 10 10 87	E <b>C</b>	%REC 76.4 65.2 70.9 70.0 67.7 64.9	%REC 77.2 67.7 72.0 72.2 71.9 61.8	1.04 3.8 1.5 3.0 6.1
ANALYTE  Arsenic Barium Cadmium Chromium Lead Mercury Selenium	MB mg/L  < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.002 < 0.002	94 105.0 109.4 109 106.1 101.0 108.1	%REC 94 105 110.9 107 109.2 97.5 91.4	0.7 0.43 1.32 2.50 2.90 3.53 16.7	mg/L < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.0002 < 0.0002	91 10 10 10 10 10 10 87	E <b>C</b>	%REC 76.4 65.2 70.9 70.0 67.7 64.9	%REC 77.2 67.7 72.0 72.2 71.9 61.8	1.04 3.8 1.5 3.0 6.1
ANALYTE  Arsenic Barium Cadmium Chromium Lead Mercury	MB mg/L  < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.002	94 105.0 109.4 109 106.1 101.0	94 105 110.9 107 109.2 97.5	0.7 0.43 1.32 2.50 2.90 3.53	mg/L < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.002	91 10 10 10 10 10	.0	%REC 76.4 65.2 70.9 70.0 67.7	%REC 77.2 67.7 72.0 72.2 71.9	1.04 3.8 1.5 3.0 6.1
ANALYTE  Arsenic  Barium  Cadmium  Chromium  Lead	MB mg/L < 0.002 < 0.002 < 0.001 < 0.001 < 0.002	94 105.0 109.4 109 106.1	%REC 94 105 110.9 107 109.2	0.7 0.43 1.32 2.50 2.90	mg/L < 0.002 < 0.002 < 0.001 < 0.001 < 0.002	91 10 10 10 10 10	EC	%REC 76.4 65.2 70.9 70.0	%REC 77.2 67.7 72.0 72.2	1.04 3.8 1.5 3.0
ANALYTE Arsenic Barium Cadmium Chromium	MB mg/L < 0.002 < 0.002 < 0.001 < 0.001	94 105.0 109.4 109	%REC 94 105 110.9 107	0.7 0.43 1.32 2.50	mg/L < 0.002 < 0.002 < 0.001 < 0.001	91 10 10	EC	%REC 76.4 65.2 70.9 70.0	%REC 77.2 67.7 72.0 72.2	1.04 3.8 1.5 3.0
ANALYTE Arsenic Barium Cadmium	MB mg/L < 0.002 < 0.002 < 0.001	94 105.0 109.4	%REC 94 105 110.9	0.7 0.43 1.32	mg/L < 0.002 < 0.002 < 0.001	91 10 10	EC	%REC 76.4 65.2 70.9	%REC 77.2 67.7 72.0	1.04 3.8 1.5
ANALYTE Arsenic	MB mg/L < 0.002	%REC 94	%REC 94	0.7	mg/L < 0.002	<b>%F</b> 91	EC	%REC 76.4	%REC 77.2	1.04
ANALYTE	MB mg/L	%REC	%REC		mg/L	%F		%REC	%REC	
•	MB			RPD						RPD
p-Terphenyl-	Q 14									
Phenol-d6 Nitrobenzene 2-Fluorobiph 2,4,6-Tribron	e-d5 enyl nophenol							44.1 43.2 40.7 42.1 59.0		
2-Fluorophe	noi						l	42.6		
SURROGAT	E SPIKE RECO	VERY FOR	RSEMIV	OLATI	LES			% REC		
4-Bromofiuo	robenzene							112.2		
Dibromofluo Toluene-d8	romethane							108.2 98.3		
SURROGAT	E SPIKE RECO	VERY FOR	R VOLA	TILES			$oldsymbol{\perp}$	% REC		
Dibromofluo			QA	/QC RE	IENTAL SER	VICES		108.2		
							1			
8010583							I			

8010583

# MERCURY ENVIRONMENTAL SERVICES QA/QC/REPORT CONTINUED

ORIG DUP STD mg/kg mg/kg RPD %REC

Reactivity as Hydrogen Cyanide < 0.25 < 0.25 0.00 97

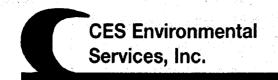
### Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Contlnuing Calibration Blank
%Rec=Percent Recovery
ML=Minimum Level of Quantitation

Signature: Holland D. Gilmore / Laboratory Director

\_\_\_January 25, 2008

COMPANY NAME: (BILL TO:) CES COMPANY ADDRESS: 4904 6	GUIRA	ONIANE	NIAL				M	ES	•	- C	11AH	1 OF	CUS.	TODY	1-800-771-4ME (281) 476-453
COMPANY ADDRESS: 4904 B.	educ	s lo	re TX		2707	_	<b>Mer</b> c 6913 H	ury E lwy. 225	noire De	on me er Pad	enta k, TX 7	l <b>Se</b> 1 77536	vice	5	Fax (281)-476-44
CONTACT PERSON'S NAME: PHAN	111.00	SIAI	[E	ZP	7100	1		ARAME		OR AN	ALYSI	S			REMARKS
CONTACT PERSON'S NAME: (23)(2)	6-146	0	FAX #: (	23)67	6-167	4	Trib Merks	Tales Harries	OC + John				NUMBER OF COME	MINERS	TURNAROUND TIME  Z DAY
YOUR PROJECT NO.: YOUR PA	O. #:		YOUR PR	OJECT NAM	AE:	$\Box /$	3		\$ t	4/			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4 Trong	DETECTION LIMITS SPECIAL LIMITS REQU
PROJECT ADDRESS:				•		خا ل	<u> </u>		7	7	/	/	W. Challer	PRESERVA TICH	Yes No Please circle one, if Y
YOUR SAMPLE DESCRIPTION	GR	AB/COMP.	DATE	TIME	MAT	RIX L	<del>  '</del>	1 1							please describe befo or include separate
CIOB-47 WASTEWAR	7		425	10 2			-	-							sheet detailing
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3															mice
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PERSON TAKING SAMPLE SIGNATURE (2 - Print	Name 4 h	Sim ):			<u> </u>	RELINGUEHI	0.8%								
6 Durin TAGILAJ	Tame d V.	-18 ·. J.		<u>`</u>	•	(Signature)	.V 61:		_ ^		DAT	13	TIME 10:17	4	
REUNQUISHED BY: (Signalize)	DAYE	TIME	RECEIVED (Signature)	BY;		RELINQUISH: (Signature)	D BY:				DAT		TIME	Prec (Sign	EVED BY:
METHOD OF PAYMENT	SHIPPED B (Signature)	iv:			COURIER (escangia)				REC	EIVEO/	OR ME		D		DATE TIME
Sample Remander Disposal				<u>.</u> <u>.</u>		` □ i Reques	Lab To	Dispose	Of All Sa	mple R	bniams	219		7	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 1/5/2006

Dear Ruben Fernandez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1289

Generator: Dana Container
Address: 902 Sens Rd

La Porte, TX 77571

### Waste Information

Name of Waste: Wastewater and Sludge

**TCEQ Waste Code #:** 10001141

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Wastewater generated from cleaning trailers

Color: Grey to Dark

Odor: Slight

**pH:** 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

Layers : Container Type : Container Size : Number Of Units Texas State Was Proper U.S. State	Dru	00	Tote [	-Phase  ✓ Truck  130 bb  Non-RCRA/I	<u> </u>	her (exp	wastewater and bi	osludge RQ :	
Layers : Container Type : Container Size : Number Of Units	Dru	00 :	Tote [	<b>✓ Truck</b> 130 bb	Non DOT re		_		
Specific Gravity ( Layers : Container Type : Container Size : Number Of Units Texas State Was	Dru	00 :	Tote [	<b>✓ Truck</b> 130 bb			_		
Layers : Container Type : Container Size : Number Of Units	: 500	m 00	Tote [	<b>✓</b> Truck		her (exp	olain)		: 
Layers : Container Type : Container Size :	Dru	m		<b>✓</b> Truck		her (exp	olain)		
Layers : Container Type :	<del></del> .			<b>✓</b> Truck		her (exp	olain)		:
Layers :	<del></del> .				∩•	her (evn	alain)		
	<b>☑</b> Sin	gle-Phas	☐ Multi	-Phase					
Specific Gravity (	•				•				-
Omnaldia Omardei d	Water=1) :		1	De	ensity:		8.34	<b>,</b>	lbs / gal
Color :		G	rey to Dark	Oc	lor :			Slight	
	☐ Sol	id /	Filter	Cake	Combi	nation			
Physical State :	<b>✓</b> Liq	uid	Sludg	je	Powde	er			
Wastewater gener	rated from c	leaning trailer	S					4.	
Detailed Descript			-						
Name of Waste :	Wastewate	r and Sludge			and a No				
SECTION 3: Genera									
Phone No :	(281) 471-4	+700			га	x:	(281) 470-2570		
Contact :	Ruben Feri					tle :	Tankwash Manag	er	
• • • •	La Porte T						T1		
Address :	902 Sens F							<u> </u>	
Company :	Dana Cont	ainer							<u> </u>
SECTION 2: Billing	Information								
State I.D :	41563				SI	C Code			
U.S EPA I.D No :	<del></del>		-						
24 / HR Phone :	(281) 471-4						(201) 110 2010		
Phone No :	(281) 471-4					X:	(281) 470-2570		
City, State, Zip: Contact:	Ruben Fer		· · · · · · · · · · · · · · · ·		Ti-	tle :	Tankwash Manag	er	
Address :	La Porte T								
	Dana Cont 902 Sens F		<del></del>			· ·	. •	***************************************	
Company :		_							

N/A

mg/l

N/A

mg/l

N/A

mg/l

>1500

mg/l

N/A

mg/l

CES Fm

	1986 DES Environment	en l			n singuarier
SECTION 4: Physical and Chemi	cal Data	1.60 (10)	ra; Processione Chemical		44 BVI.
	COMPONENTS TABLE OF T		Concentration Ranges are acceptable	Units or %	
	Latex	. 4	3-5	%	
	Polyols		2-5	%	
	Water	•	75-85	%	
	Alcohols/Amines		2-4	%	
·	Fatty Acids		2-4	%	
	Lube Oils/Diesel		1-2	%	

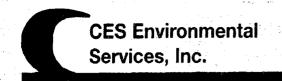
· · · · · · · · · · · · · · · · · · ·				
	Latex	4	3-5	%
	Polyols		2-5	%
	Water		75-85	%
	Alcohols/Amines		2-4	%
	Fatty Acids		2-4	%
	Lube Oils/Diesel	<u> </u>	1-2	%
SECTION 5: Safety Related	Data			
If the handling of this wa	aste requires the use of special protect	tive equipment, please exp	olain.	
Standard PPE Required		•		
SECTION 6: Attached Supp	orting Documents			
	s, data, and/or analysis attached to thi	s form as part of the waste	e approval package	<b>5</b> .
None			. •	
SECTION 7: Incompatibilitie	95		4.7	
Please list all incompatit	bilities (if any):		er var er er er er	
None Known				
SECTION 8: Generator's Kn	owledge Documentation	**** .		* 4
Laboratory analysis of the	ne hazardous waste characteristics, lis	sted below, WAS NOT PER	RFORMED based up	on the
TCLP Metals :	TCLP Metals are below regulatory limit	<u>ts</u>		
TCLP Volatilies :	TCLP Volatiles are below regulatory lir	<del>_</del>		
TCLP Semi-Volatiles :	TCLP Semi-Volatiles are below regular			
Reactivity :	No reactive materials are present			
Corrosivity:	pH is neutral			
<u> </u>				
Ignitability :	No ignitable materials are present			
SECTION 9: Generator's Ce	***************************************	· · · · · · · · · · · · · · · · · · ·		
above and attached desc deliberate or willful omis	ed herein is based on 🗹 generator kr cription is complete and accurate to th ssions of composition properties exist the materials tested are representative	e best of my knowledge and and that all known or sus	nd ability to determ pected hazards hav	ine that no
Authorized Signature :		Date:	1/4/2006	
Printed Name / Title :	Ruben Fernandez / Tankwash Manager			
CES USE ONLY (DO NO	T WRITE IN THIS SPACE)	Ac	dditional Informatio	n
Compliance Officer :	Matheway Changed			
Date: 1/5/200		rejected		
		,		
Approval Number :	1289			

SECT	ION 10: Waste Receipt Classification Under 40 CFR 437	
ls this	material a wastewater or wastewater sludge? ✓ YES ☐ NO	
If YE	S', complete this section	to the second of the second second second
	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGO	DRY, GO TO THE NEXT PAGE
	s Subcategory: Subpart A	•
	Spent electroplating baths and/or sludges	
	Metal finishing rinse water and sludges	
	Chromate wastes	
П	Air pollution control blow down water and sludges	
	Spent anodizing solutions	garaga da ang managa da ang ang
	Incineration wastewaters	
	Waste liquid mercury	
	Cyanide-containing wastes greater than 136 mg/l	
	Waste acids and bases with or without metals	e de la companya de l
П	Cleaning, rinsing, and surface preparation solutions from electroplating	or phospha
	Vibratory deburring wastewater	
$\overline{\Box}$	Alkaline and acid solutions used to clean metal parts or equipment	
Oils S	Subcategory: Subpart B	
	Used oils	
	Oil-water emulsions or mixtures	
	Lubricants	
	Coolants	
	Contaminated groundwater clean-up from petroleum sources	
	Used petroleum products	
	Oil spill clean-up	
	Bilge water	*.
	Rinse/wash waters from petroleum sources	
	Interceptor wastes	
	Off-specification fuels	
	Underground storage remediation wastes	
$\checkmark$	Tank clean-out from petroleum or oily sources	
	Non-contact used glycols	
	Aqueous and oil mixtures from parts cleaning operations	
	Wastewater from oil bearing paint washes	
Orgai	nics Subcategory Subpart C	
	Landfill leachate	
	Contaminated groundwater clean-up from non-petroleum sources	
	Solvent-bering wastes	
	Off-specification organic product	
<u>ا</u>	Still bottoms	î
	Byproduct waste glycol	
	Wastewater from adhesive and/or enexies formulation	
	Wastewater from organic chemical product operations	
	Wastewater from organic chemical product operations	
$\Box$	Tank clean-out from organic, non-petroleum sources	

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

1997 Entrorise Products Operating LP.>



## Waste Pre-Acceptance/Approval Letter

1/5/2006 Date

Mike Tomerlin Dear

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

**CES Profile #** 1292

**Generator:** Enterprise Products Operating, L.P. (Morgan Point Facility)

P.O. Box 573 Attn: Lea Ann Pease Address:

Mont Belvieu, TX 77580

### Waste Information

Name of Waste: Recyclable Rinse Water

TCEQ Waste Code #: Recycle

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Backwashing filters from a natural gasoline pipeline. The filters are backwashed with wa to remove hydrocarbons prior to filter change-out. Also, rinsing storage tank previously storing natural gasoline.

Color: Dark

**Odor:** Hydrocarbon

**pH:** 3-11

Physical State: Liquid

**Incompatibilities:** None Known

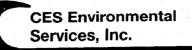
Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General										
					<b>-</b>					
Company :			Operating, L.		Point Fac	cility)				
Address :	P.O. Box	573 Attn:	Lea Ann Pea	se					·	
City, State, Zip:	Mont Be	lvieu TX 77	580							
Contact :	Mike Tor	merlin		_ <del>.</del>		Title :	:	Environmental M	anager	
Phone No :	(281) 38	5-4455		·		Fax :				
24 / HR Phone:	(281) 38	5-4455								
U.S EPA I.D No :	TXD008	084238								
State I.D :	30282			-		SIC C	Code			
				-						
SECTION 2: Billing	Informati	on								
Company :	Enterpris	se Products	Operating, L.	P. (Morgar	Point					
Address :	P.O. Box	x 573 Attn:	Lea Ann Pea	ise				<u> </u>		
City, State, Zip :	Mont Be	lvieu TX 77	580					<u> </u>	~~**	
Contact :	Mike To	merlin				Title	:	Environmental M	lanager	
Phone No :	(281) 38	5-4455				Fax:	:			
SECTION 3: Gener										
Name of Waste :	Recyclal	ble Rinse W	/ater							
Detailed Descrip	tion of P	manage Car								
			-							
	rs from a	natural gase	oline pipeline.	The filters			vith wa	ter to remove hyd	drocarbons	prior to filter
	rs from a	natural gase	oline pipeline.	The filters		е.	vith wa	ter to remove hyd	drocarbons	prior to filter
Backwashing filte change-out. Also Physical State :	rs from a , rinsing s	natural gase	oline pipeline previously st	The filters			vith wa	ter to remove hyd	drocarbons	prior to filter
change-out. Also	rs from a , rinsing s	natural gase storage tank	oline pipeline. previously st	The filters oring natur		е.		ter to remove hyd	drocarbons	prior to filter
change-out. Also	rs from a , rinsing s	natural gase storage tank _iquid	oline pipeline. previously st	The filters oring natur ludge		e. Powder Combinat			drocarbons	prior to filter
change-out. Also Physical State: Color:	rs from a , rinsing s ✓ L	natural gasostorage tank Liquid Solid	oline pipeline. previously st S Fi Dark	The filters oring natur ludge	al gasoline	e. Powder Combinat		H	ydrocarbon	
change-out. Also Physical State: Color:	rs from a , rinsing s ✓ L	natural gasostorage tank Liquid Solid	oline pipeline. previously st S F Dark	The filters oring natur ludge ilter Cake	al gasoline	e. Powder Combinat			ydrocarbon	prior to filter
change-out. Also	rs from a , rinsing s	natural gasostorage tank Liquid Solid	oline pipeline. previously st S F Dark	The filters oring natur ludge	al gasoline	e. Powder Combinat		H	ydrocarbon	
change-out. Also Physical State:  Color:  Specific Gravity	rs from a , rinsing s	natural gasostorage tank Liquid Solid	oline pipeline. previously st S F Dark	The filters oring natur ludge liter Cake	al gasoline	e. Powder Combinat		H; 8.3	ydrocarbon	
change-out. Also Physical State:  Color: Specific Gravity Layers:  Container Type:	rs from a , rinsing s	natural gasestorage tank Liquid Solid ):	Dline pipeline. previously st  S  Dark  1	The filters oring natur ludge silter Cake	al gasoline  Odor:  Densit	e. Powder Combinat	tion	H; 8.3	ydrocarbon	
change-out. Also Physical State:  Color: Specific Gravity Layers: Container Type: Container Size:	rs from a , rinsing s	natural gasestorage tank Liquid Solid ): Single-Phase	Dline pipeline. previously st  S  Dark  1	The filters oring natur ludge silter Cake	Odor:	e. Powder Combinat	tion	H; 8.3	ydrocarbon	
change-out. Also Physical State:  Color: Specific Gravity Layers: Container Type: Container Size: Number Of Units	rs from a , rinsing s	natural gasestorage tank Liquid Solid ): Single-Phase	Dline pipeline. previously st  S  Dark  1  Tote	The filters oring natur ludge silter Cake	al gasoline  Odor:  Densit	e. Powder Combinat	tion	H; 8.3	ydrocarbon	
change-out. Also Physical State:  Color: Specific Gravity Layers:  Container Type: Container Size: Number Of Units Texas State Was	rs from a , rinsing s   (Water=1	natural gase storage tank Liquid Solid ): Single-Phase Drum  00000 No:	Dline pipeline. previously st  S  Dark  1  Tote  Recycl	The filters oring natur ludge silter Cake	Odor: Densite Truck	e. Powder Combinat  y: Other	tion er (exp	8.3 lain)	ydrocarbon 4	
change-out. Also Physical State:  Color: Specific Gravity Layers:  Container Type:	rs from a , rinsing s   (Water=1	natural gase storage tank Liquid Solid ): Single-Phase Drum  00000 No:	Dline pipeline. previously st  S  Dark  1  Tote  Recycl	The filters oring natur ludge silter Cake	Odor: Densite Truck	e. Powder Combinat  y: Other	tion er (exp	H; 8.3	ydrocarbon 4	
change-out. Also Physical State:  Color: Specific Gravity Layers:  Container Type: Container Size: Number Of Units Texas State Was Proper U.S. State	rs from a , rinsing s  V (Water=1  S :  ite Code  Waste (	natural gasestorage tank Liquid Solid ): Single-Phase Drum  0000 No: Code No:	Dline pipeline. previously st  S  Dark  1  Tote  Recycl	The filters oring natur ludge silter Cake	Odor: Densite Truck	Powder Combinat  y: Other	tion er (exp	8.3  lain)  and water mixtur	ydrocarbon 4	lbs / gal
change-out. Also Physical State:  Color: Specific Gravity Layers:  Container Type: Container Size: Number Of Units Texas State Was	rs from a , rinsing s  V (Water=1  S :  ite Code  Waste (	natural gasestorage tank Liquid Solid ): Single-Phase Drum  0000 No: Code No:	Dline pipeline. previously st  S  Dark  1  Tote  Recycl	The filters oring natur ludge silter Cake	Odor: Densite Truck	e. Powder Combinat  y: Other	tion er (exp	8.3  lain)  and water mixtur	ydrocarbon 4	lbs / gal
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change-out. Also Physical State:  Color: Specific Gravity Layers: Container Type: Container Size: Number Of Units Texas State Was Proper U.S. State	rs from a , rinsing s	natural gase storage tank Liquid Solid  Single-Phase Drum  0000  No: Code No:	Dline pipeline. previously st  S Dark  1 S Tote  Recycl	The filters oring natur ludge liter Cake	Odor: Densit  Truck  30 bbl  Recyclab	e. Powder Combinat  y: Other	er (exp	H <sub>2</sub> 8.3	ydrocarbon 4 re RQ	lbs / gal

N/A

mg/l

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mg/l

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mg/l

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400 NO.

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89 Am. - 03 - 500 128

	COMPONENTS TABLE	Concentration (*)	Units
4.	The waste consists of the following materials	Ranges are acceptable	or %
	Water	94-99	%
	Hydrocarbons (C5 and C6)	2-5	%
	Rust	0-1	%
	Inhibitor (sodium nitrate)	0-0.005	%

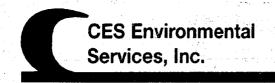
If the handling of this waste requires the use of special protective equipment, please explain.  Standard PPE Required  SECTION 6: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  None  SECTION 7: Incompatibilities  Please list all incompatibilities (if any):  None Known  SECTION 8: Generator's Knowledge Documentation  Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge  TCLP Metals: N/A  TCLP Volatilies: N/A  TCLP Semi-Volatiles: N/A  Carrosivity: N/A  Corrosivity: N/A  SECTION 9: Generator's Certification  The information contained herein is based on	THE WA	ste consists of the following materials	italiges are acceptable	01 /6
Rust Inhibitor (sodium nitrate)  SECTION 6: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  Standard PPE Required  SECTION 6: Attached Supporting Documents List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None  SECTION 7: Incompatibilities  Please list all incompatibilities (if any): None Known  SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge  TCLP Metals: N/A  TCLP Volatilies: N/A  TCLP Volatilies: N/A  Reactivity: N/A  Reactivity: N/A  Reactivity: N/A  Corrosivity: N/A  Corro		Water	94-99	%
SECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  Standard PPE Required  SECTION 8: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  None  SECTION 7: Incompatibilities  Please list all incompatibilities (If any):  None Known  SECTION 8: Generator's Knowledge Documentation  Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the collowing generators knowledge  FLCLP Wetals: N/A  Reactivity: N/A  Reactivity: N/A  Reactivity: N/A  SECTION 9: Generator's Certification  The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby certify that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no lediberate or willful omissions of composition properties exist and that all known or suspected hazards have been isclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: Make Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: Additional Information		•		
SECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  Standard PPE Required  SECTION 8: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  None  SECTION 7: Incompatibilities  Please list all incompatibilities (if any): None Known  SECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the ollowing generators knowledge  ICLP Metals: N/A  ICLP Volatilies: N/A  CCLP Volatilies: N/A  Please list: N/A  Reactivity: N/A  Searcivity: N/A  Searcivity: N/A  Secritivity: N/A  S				
SECTION 6: Attached Supporting Documents List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None  SECTION 7: Incompatibilities Please list all incompatibilities Please list all incompatibilities (if any): None Known  SECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the ollowing generators knowledge CLP Metals: N/A CLP Volatilies: N/A CLP Semi-Volatiles: N/A Porrosivity: N/A Secrotivity:		Inhibitor (sodium nitrate)	0-0.005	<b>%</b> ·
SECTION 6: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  Jone  SECTION 7: Incompatibilities  Please list all incompatibilities (if any):  Jone Known  SECTION 8: Generator's Knowledge Documentation  aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the ollowing generators knowledge  CLP Metals: N/A  CLP Volatilies: N/A  CLP Semi-Volatiles: N/A  Jorrosivity: N/A  Jor	SECTION 5: Safety Related	Data		
SECTION 6: Attached Supporting Documents List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  None  SECTION 7: Incompatibilities  Please list all incompatibilities  Please list all incompatibilities (if any): None Known  SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the ollowing generators knowledge  CLP Metals: N/A  CLP Volatilies: N/A  CLP Semi-Volatiles: N/A  Reactivity: N/A  Beactivity: N/A  Beactivity: N/A  Generator's Certification  The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no eliberate or willful omissions of composition properties exist and that all known or suspected hazards have been isclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: M/A  Parinted Name / Title: Mike Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: Additional Information			mant ulassa svulsia	٠
List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  None  SECTION 7: Incompatibilities  Please list all incompatibilities (if any):  None Known  SECTION 8: Generator's Knowledge Documentation  _aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the oliolowing generators knowledge  ICLP Metals: N/A  ICLP Volatilies: N/A  ICLP Semi-Volatiles: N/A  Reactivity: N/A  Seactivity: N/A  Secrity: N/A  SECTION 9: Generator's Certification  The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no leliberate or willful omissions of composition properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: M/A  Authorized Signature: M/A  Printed Name / Title: Mike Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: Additional Information		aste requires the use of special protective equip	ment, piease explain.	
List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  None  SECTION 7: Incompatibilities  Please list all incompatibilities (if any):  None Known  SECTION 8: Generator's Knowledge Documentation  _aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the oliolowing generators knowledge  ICLP Metals: N/A  ICLP Volatilies: N/A  ICLP Semi-Volatiles: N/A  Reactivity: N/A  SECTION 9: Generator's Certification  The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the second attached description is complete and accurate to the best of my knowledge and ability to determine that no leliberate or willful omissions of composition properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: M/A  Authorized Signature: Mike Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: Additional Information				
SECTION 7: Incompatibilities  Please list all incompatibilities (if any):  None Known  SECTION 8: Generator's Knowledge Documentation  aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the ollowing generators knowledge  ICLP Metals: N/A  ICLP Semi-Volatiles: N/A  Reactivity: N/A  Reactivity: N/A  Sectivity: N/A  SECTION 9: Generator's Certification  The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the body of the properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: Make Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Rejected  Additional Information  Compliance Officer: Rejected	SECTION 6: Attached Supp	porting Documents		
Please list all incompatibilities (if any): None Known  SECTION 8: Generator's Knowledge Documentation  aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge  ICLP Metals: N/A  ICLP Volatilies: N/A  ICLP Semi-Volatiles: N/A  Reactivity: N/A  Corrosivity: N/A  Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no leliberate or willful omissions of composition properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: Make Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: Additional Information  Rejected		s, data, and/or analysis attached to this form as	part of the waste approval package.	
Please list all incompatibilities (if any): None Known  SECTION 8: Generator's Knowledge Documentation  aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge  ICLP Metals: N/A  ICLP Volatilies: N/A  ICLP Semi-Volatiles: N/A  Reactivity: N/A  Corrosivity: N/A  Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no leliberate or willful omissions of composition properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: Make Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: Additional Information  Rejected	SECTION 7: Incompatibilitie	es		
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TCLP Metals: N/A TCLP Semi-Volatilies: N/A TCLP Semi-Volatilies: N/A TCLP Semi-Volatiles: N/A T	_aboratory analysis of th ollowing generators kno	ne hazardous waste characteristics, listed below owledge	, WAS NOT PERFORMED based upon th	ie .
CLP Semi-Volatiles: N/A Reactivity: N/A Corrosivity: N/A				
Reactivity: N/A Corrosivity: N/A gnitability: N/A gnitability: N/A gnitability: N/A gritability: P Volatilies :	<u>N/A</u>			
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gnitability: N/A  ECTION 9: Generator's Certification  The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no eliberate or willful omissions of composition properties exist and that all known or suspected hazards have been isclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: ☐ Date: 1/5/2006  Printed Name / Title: Mike Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE) Additional Information  Compliance Officer: ☐ Status: Approved Rejected	Reactivity :	N/A		
ECTION 9: Generator's Certification  The information contained herein is based on   generator knowledge and/or □ analytical data. I hereby cerity that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no leliberate or willful omissions of composition properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: □ Date: 1/5/2006  Printed Name / Title: Mike Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: □ Status: Approved Rejected	Corrosivity :	<u>N/A</u>	•	
EECTION 9: Generator's Certification  The information contained herein is based on   Generator knowledge and/or □ analytical data. I hereby cerity that the bove and attached description is complete and accurate to the best of my knowledge and ability to determine that no leliberate or willful omissions of composition properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature: □ Date: 1/5/2006  Printed Name / Title: Mike Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Additional Information  Compliance Officer: □ Status: Approved Rejected	gnitability :	N/A		
Date: 1-5-06  Status: Approved Rejected  Rejected	ECTION 9: Generator's Cer			
Printed Name / Title: Mike Tomerline, Environmental Manager  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Published House Approved Rejected	bove and attached desc leliberate or willful omis	cription is complete and accurate to the best of resions of composition properties exist and that a	my knowledge and ability to determine the	nat no
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Publication  Date: 1-5-06  Status: Approved Rejected	Authorized Signature : _	Myle Yank	Date : 1/5/2006	
Date: 1-5-06 Status: Approved Rejected	Printed Name / Title:	Vike Tomerline, Environmental Manager		
Date: 1-5-06 Status: Approved Rejected	CES USE ONLY (DO NO	T WRITE IN THIS SPACE)	Additional Information	
**************************************	Compliance Officer : $\int \!$	"obbat Athaged		
Approval Number : 1292	Date: 1-5-06	Status: Approved Rejected		
	Approval Number :	1292		

SECT	ION 10: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge?   YES  NO
If YE	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	ics Subcategory <i>Subpart C</i>
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	☐ Oils Subcategory
	☐ Organics Subcategory

# **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX.77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 1/5/2006

Dear Mike Tomerlin

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1292

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)

Address: P.O. Box 573 Attn: Lea Ann Pease

Mont Belvieu, TX 77580

# Waste Information

Name of Waste: Recyclable Rinse Water

TCEQ Waste Code #: Recycle

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Backwashing filters from a natural gasoline pipeline. The filters are backwashed with watto remove hydrocarbons prior to filter change-out. Also, rinsing storage tank previously storing natural gasoline.

Color: Dark

**Odor:** Hydrocarbon

**pH:** 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Infor	mation						
Company : Enterprise Products Operating, L.P. (Morgan Point Facility)								
Address :	P.O. Box 573 Attn: Lea Ann Pease							
City, State, Zip :		elvieu TX 77	580			·		
Contact :	Mike To	merlin		· ·		Title :	Environmental M	lanager
Phone No :	(281) 38	85-4455				Fax :		
24 / HR Phone :	(281) 38	85-4455						
U.S EPA I.D No :	TXD008	8084238						
State I.D :	30282					SIC Code		
	_	<del></del> :	<del></del>				-	
SECTION 2: Billing	Informat	tion						
Company :	Enterpr	ise Products	s Operating, L.F	P. (Morgan P	oint			
Address :	P.O. Bo	x 573 Attn:	: Lea Ann Peas	se				
City, State, Zip :	Mont Be	elvieu TX 77	580					
Contact :	Mike To	merlin				Title :	Environmental M	lanager
Phone No :	(281) 38	85-4455			F	Fax :		
· <b>_</b>								
SECTION 3: Genera								•
Name of Waste :	Recycla	ible Rinse v	/ater					
Detailed Descript	tion of P	rocess Gen	nerating Wast	e:				
						ed with wa	ater to remove hyd	drocarbons prior to filter
change-out. Also,	rinsing	storage tank	previously sto	ring natural g	jasoline.			
Physical State :	✓	Liquid	☐ Slı	udge	Pow	der		
		Solid	☐ Fil	Iter Cake	☐ Com	bination		
Color:			Dark	<u> </u>	Odor :		Hy	ydrocarbon
Specific Gravity (	Water=1	1):	1 .	·	Density:		8.3	ibs / gal
Layers :		Single-Phas	s 🗸 Mı	ulti-Phase				
Container Type:		Drum [	Tote	<b>✓</b> Tru	ck 🔲 (	Other (exp	plain)	
Container Size :				130	bbl			
Number Of Units	:	10000		·		-	arterna ribidades	
Texas State Wast	te Code	No:	Recycle	;				
Proper U.S. State					ecyclable hy	drocarbor	and water mixtur	е
Class :		· UN/	/NA :		PG :	:	<del></del>	RQ:
Flash Poin >200	i <b>t</b>	-	<b>pH</b> 3-11	Reactive N	<b>Sulfides</b> I/A mg/		ctive Cyanides N/A mg/l	<b>Solids</b> 0-2 %
Oil and Grea	se	T	ос	Ziı	nc	†	Copper	Nickel

N/A

mg/l

N/A

mg/l

N/A

mg/l

N/A

mg/l

N/A

mg/l

	COMPONENTS TABLE	Concentration	Unit
The was	te consists of the following materials	Ranges are acceptable	or %
	Water	94-99	%
	Hydrocarbons (C5 and C6)	2-5	%
	Rust	0-1	%
	Inhibitor (sodium nitrate)	0-0.005	%
ECTION 5: Safety Related	<del></del> ,	ent, please explain.	÷
	Data ste requires the use of special protective equipme	ent, please explain.	* .
the handling of this wa	<del></del> ,	ent, please explain.	
the handling of this wa	ste requires the use of special protective equipme	ent, please explain.	

SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
None Known		

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals :	<u>N/A</u>
TCLP Volatilies :	<u>N/A</u>
TCLP Semi-Volatiles :	<u>N/A</u>
Reactivity:	<u>N/A</u>
Corrosivity:	<u>N/A</u>
Ignitability:	N/A

**SECTION 9: Generator's Certification** 

The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been

disclosed. I certify that the materials tested are representative of all materials described by this document.				
Authorized Signature :		Date :	1/5/2006	
Printed Name / Title :	Mike Tomerline / Environmental Manager			

CES USE ONLY (DO NOT W	RITE IN THIS	Additional Infor	mation		
Compliance Officer: Prab	hakar Thang				
Date : 1/5/2006	Status :	Approved	Rejected		
Approval Number :		1292			

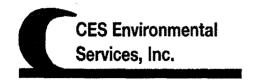
SECTI	ION 10: Waste Receipt Classification Under 40 CFR 437			ian Cho Ball
Is this	material a wastewater or wastewater sludge? ☐ YES 📝 NO			respective and
If 'YES	S', complete this section	1	um kenyatur s	an Agree (1917)
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATE	GORY. GO	TO THE NEXT	PAGE
	s Subcategory: Subpart A			
	Spent electroplating baths and/or sludges			
	Metal finishing rinse water and sludges			
	Chromate wastes			
	Air pollution control blow down water and sludges			
	Spent anodizing solutions			
	Incineration wastewaters			
	Waste liquid mercury			
	Cyanide-containing wastes greater than 136 mg/l			
	Waste acids and bases with or without metals			
	Cleaning, rinsing, and surface preparation solutions from electroplating	a or phosp	ha	
	Vibratory deburring wastewater	3		
$\overline{\Box}$	Alkaline and acid solutions used to clean metal parts or equipment			
_				
Oils S	Subcategory: Subpart B			e Santa Cara
	Used oils			
	Oil-water emulsions or mixtures			
	Lubricants			
. 🛄	Coolants			100
	Contaminated groundwater clean-up from petroleum sources			
	Used petroleum products			
	Oil spill clean-up			
	Bilge water			
	Rinse/wash waters from petroleum sources			
	Interceptor wastes			
	Off-specification fuels			
	Underground storage remediation wastes			
	Tank clean-out from petroleum or oily sources		**	
	Non-contact used glycols			
	Aqueous and oil mixtures from parts cleaning operations			
	Wastewater from oil bearing paint washes			
Orgar	nics Subcategory Subpart C			
	Landfill leachate			
Ш	Contaminated groundwater clean-up from non-petroleum sources			
	Solvent-bering wastes			
	Off-specification organic product			
	Still bottoms		*	
	Byproduct waste glycol			
	Wastewater from paint washes			
	Wastewater from adhesive and/or epoxies formulation			
1 1	Wastewater from organic chemical product operations			

Tank clean-out from organic, non-petroleum sources

(i)	if the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	<ul><li></li></ul>

## **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Waste Profile Re-Certification Form**

CES Waste Approval #:	<u>1292</u>	
Customer:	Enterprise Pro	ducts Operating, L.P. (Morgan Point
Waste Generator:	Enterprise Pro	ducts Operating, L.P. (Morgan Point Facility)
Waste Stream Name:	Recyclable Rin	nse Water
Expiration Date:	1/5/2008	
profiles on an annual basis. generation process of the af hazardous as per 40 CFR 20 Generator hereby certifies t	The purpose of this forementioned waste 51.3.  hat the components	ental Services, Inc. requires recertification of all approved wastes form is to confirm that no changes have been made in the estream and that the waste stream remains classified as non-in the aforementioned waste stream and the process generating and the aforementioned CES Waste Approval Number: (Check
No changes, please recen	rtify.	Analysis is NOT required for recertification.
☐ Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.
Customer Name		<ul> <li>□ TCLP Metals</li> <li>□ TCLP Volatiles</li> <li>□ TCLP Semi-volatiles</li> <li>□ Reactivity</li> </ul>
Signature		<ul><li>□ Corrosivity</li><li>□ Ignitability</li></ul>
Company / Title		
7/16/08 Date		
•		

# **Morgan McCarley**

From:

Tomerlin, Mike [MTomerlin@eprod.com]

Sent:

Friday, July 18, 2008 11:07 AM

To:

Morgan McCarley

Subject:

Re: need signature for recertification

Please let this e-mail serve as my signiture to approve the recertification of this waste stream.

Mike Tomerlin

Environmental Manager - Houston Region

---- Original Message -----

From: Morgan McCarley <mmccarley@cesenvironmental.com>

To: Tomerlin, Mike

Sent: Wed Jul 16 16:55:14 2008

Subject: FW: need signature for recertification

Thanks for your help Mike.

Regards-

Morgan McCarley

From: Morgan McCarley

Sent: Wednesday, July 16, 2008 4:41 PM

To: 'sjcraig@eprod.com'

Cc: Dana Carter

Subject: need signature for recertification

Stephen-

Please sign the attached form and confirm that no changes have been made to the generation process of this recyclable stream. You can either e-mail this back to me, or fax to the # on the attached form. We plan on picking this up Friday morning, so please get this back to me ASAP.

Thank you-



**CES** Waste Approval #:

4904 **Griggs** Road Houston, **TX 77021 Tel.** (**713**) **676-1460 Fax.** (**713**) **676-1676** 

# **Waste Profile Re-Certification Form**

Customer:	Enterprise Proc	ducts Ooeratina, L.P. (Morgan Point		
Waste Generator:	Enterprise Proc	ducts Operating, L.P. (Morgan Point Facility)		
Waste Stream Name:	Recyclable Rins	se Water		
Expiration Date:	<u>1/5/2008</u>			
As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.  Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)				
□ No changes, please recer	tify.	Analysis is NOT required for recertification.		
O Please send new profile a has changed.	s waste stream	☐ The following analysis is required for recertification. Please <b>sumbit</b> results of the following tests.		
Edward Laszcz Customer Name Signature Enterprise Products Open Company / Title	rating LLC	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability		

PROPILE 1292

# **Gary Peterson**

From:

Morgan McCarley

Sent:

Friday, July 18, 2008 11:11 AM

To:

Gary Peterson; Stacy Baker; Prabhaker Thangudu; Ryan Thomas

Subject:

FW: need signature for recertification

recertification for profile #1292....please process, there have been NO changes to the RECYCLABLE stream. The generator Mike Tomerlin requested that this e-mail serve as his signature.

The generator has been traveling and could not sign and fax back to us.

-Morgan

----Original Message----

From: Tomerlin, Mike [mailto:MTomerlin@eprod.com]

Sent: Friday, July 18, 2008 11:07 AM

To: Morgan McCarley

Subject: Re: need signature for recertification

Please let this e-mail serve as my signiture to approve the recertification of this waste stream.

Mike Tomerlin

Environmental Manager - Houston Region

---- Original Message -----

From: Morgan McCarley <mmccarley@cesenvironmental.com>

To: Tomerlin, Mike

Sent: Wed Jul 16 16:55:14 2008

Subject: FW: need signature for recertification

Thanks for your help Mike.

Regards-

Morgan McCarley

From: Morgan McCarley

Sent: Wednesday, July 16, 2008 4:41 PM

To: 'sjcraig@eprod.com'

Cc: Dana Carter

Subject: need signature for recertification

Stephen-

Please sign the attached form and confirm that no changes have been made to the generation process of this recyclable stream. You can either e-mail this back to me, or fax to the # on the attached form. We plan on picking this up Friday morning, so please get this back to me ASAP.

Thank you-

Morgan McCarley - CSR

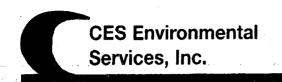
CES Environmental, Inc.

office: 713-800-7908

cell: 281-691-3296

fax: 713-748-8664

mmccarley@cesenvironmental.com <mailto:mmccarley@cesenvironmental.com>



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 1/26/2006

Dear Bob Pickle

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1342

Generator: The Lubrizol Corporation

Address: P.O. Box 158, 41 Tidal Rd. (Attn: Frank Heitmanek)

Deer Park, TX 77536-0158

#### Waste Information

Name of Waste: 0404 Distillate Wastewater Bottoms

TCEQ Waste Code #: 00461021

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Distillation bottoms from a process that removes methanol and formalin from a process

water stream (stripped at 260 degree F)

DI 1 10. . T. 11

Color: Clear

Odor: Alcohol / amine pH: 8-11

Physical State: Liquid

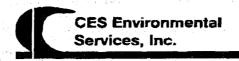
Incompatibilities: Material is flammable Safety Related Data/Special Handling:

Material is flammable liquid and must be handled accordingly

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA II) No: TXD008950461 **ISWR No: 30900** 

SECTION 1: Gener	ator Information	•		
Company:	The Lubrizol Corp	oration	****	
Address:	12801 Bay Area B	lvd	H 15.40	
City, State, Zip:	Pasadena, TX 775	507-1397		
Contact:	Frank Hejtmanek		Title:	EH&S Manager
Phone No:	(832) 260-7843		Fax No:	(832) 260-7847
24/hr Phone:	(713) 416-4160	. 121	<del></del>	
U.S. EPA I.D. No:	TXD000642348			
State 1.D.	30325		SIC Code:	
		·	<del></del>	
SECTION 2: Billing	Information – 🖾 S	Same ::s Ahove		The Albertanes of the Community
Company:	231,01111211011	ALLIA TO TAN O I A	the terms	en en en en en en en en en en en en en e
Address:	A Company	·		
City, State, Zip:			1 25 25 4	The state of the s
Contact:		Title:		The second secon
Phone No:		Fax No:		
i done ido:		Tax No:		The second secon
SECTION 3: General	al Description of the	Was e		and the first think and the production of the contract of the second of the contract of the co
N	4 <b>-</b> 1 111	· •		
Name of Waste: 040			_	
Detailed Description	of Process Generati	ng Waste: Distillation bo	ttoms from a proce	ss that removes methanol and formalin from a
process water stream (	stripped at 260 degre	<u>ee F)</u>		
Di i is.	K7			
Physical State:	⊠ Liquid	☐ Sludge	□ Powder	
	Solid Solid	Filter Cake	Combination	
Color: Clear	O	dor: :lcohol/amine		
·		,		
Specific Gravity (wat	er=1): 95	Density: 8.0 lbs/gal		
-F Clovel) (was	1)1 <u>170</u>	176 11316y . <u>0.0</u> 103/ gal		
Lancoura	<b>5</b> 7 5	□ .a		
Layers:	Single-phase	Multi-phase		
<b></b>	_	<b>—</b>		panes.
Container Type:	☐ Drum	∐ Tote	<b>Truck</b>	Other (explain)
Container Size:			5000 gal	
* · · · *		•		<del></del>
F	R71			
Frequency:		☐ Monthly [	_ Quarterly	
Number of Units (cor	itainers): <u>1</u>	Other:		
Texas State Waste Co	ode No:	0046- 107	J ~ I	
Present HE DOTEL	ingling Names		/	
Proper U.S. DOT Shi	ipping Name:	Waste flammable lie	quias, N.O.S. (metr	ianol)
Class: 3	UN/NA	A: UN1993	PG: II	RQ:
· • • • • • • • • • • • • • • • • • • •				
Flash Point	pН	Reactive Sulfides	Reactive Cy	anides Solids
86 F	8-11	Omg/	Omg/l	<u>&lt;1</u> %
Oil&Grease	TOC	2 inc	Copper	Nickel
<100mg/)	45,000mg/l	<u>C</u> mg/l	Qmg/I	Qmg/I

#### SECTION 4: Physical and Chemical Data

ALC: Northwest Co.	COMPONENTS TABLE	rem Ha	Concentration	Units
Maria The w	aste consists of the following materials		Ranges are acceptable	or %
Water		100	96-98	%
Methanol		7.7	2-3	°∕a
Formalin (Flash 154	F)		1-2	%
Hydrocarbyl Amine (	Flash 143 F)		0.5-1.0	%
50-44			0-10	%

#### SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Material is flammable liquid and must be handled accordingly

## SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package, Analytical

#### SECTION 7: Incompatibilities

Please list all incompatibilities (if any): .... Material is sammable

## SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: See analytical 6010277
TCLP Volatiles: See analytical 6010277
TCLP Semi-Volatiles: See analytical 6010277
Reactivity: See analytical 6010277
Corrosivity: See analytical 6010277
Ignitability: See analytical 6010277

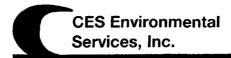
#### SECTION 9: Generator's Certification

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\boxtimes$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Frank + tytrale Date: 1/19/06

Printed Name/Title: Frank Heitmanek/EH&S Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: PolyenRhand	Additional Information:
Date: 1-19-06 (Approved) Rejected	
Approval Number:	



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	The Lubrizol Corp				
Address:	12801 Bay Area B			-41**	
City, State, Zip:	Pasadena, TX 77	507-1397			
Contact:	Frank Hejtmanek		Title:	EH&S N	/lanager
Phone No:	(832) 260-78 <b>43</b>		Fax No:	(832) 26	0-7847
24/hr Phone:	(713) 416-41 <b>60</b>				
U.S. EPA I.D. No:	TXD000642348				
State I.D.	30325		SIC Code:		
SECTION 2: Billing	Information – 🖂 S	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No	):		
CECTION 1. C	1.5				
SECTION 3: General	al Description of the	e waste			
Name of Waste: <u>040</u> Detailed Description process water stream (	of Process Generat	ing Waste: Distillation	bottoms from a pro	cess that rer	noves methanol and formalin from a
Physical State:	∠ Liquid	☐ Sludge	Powder		
i nysicai State.			_		
	☐ Solid	Filter Cake	Combination	on	
Color: Clear	(	Odor: alcohol/amine			
Specific Gravity (was	ter=1): <u>.95</u>	Density: 8.0 lbs/gal			
Layers:	Single-phase     ■	☐ Multi-phas	e		·
Container Type:	☐ Drum	□ <b>T</b> -4-		<del></del>	04 ( ) ( )
• •		☐ Tote	⊠ Truck	Ц	Other (explain)
Container Size:			<u>5000 gal</u>		
	K-7		_	_	
Frequency:	Weekly	☐ Monthly	☐ Quarterly		Yearly
Number of Units (cor	. —	Other:			
Texas State Waste Co	ode No:				
Proper U.S. DOT Shi	ipping Name:	Waste flammable	liquids, N.O.S. (me	ethanol)	
Class: 3	UN/N	A: UN1993	PG: II		RQ:
				<del></del>	
Flash Point	рН	Reactive Sulfides	Reactive C	vanides	Solids
86 F	8-11	Omg/l	Omg/i	Jamues	<1%
Oil&Grease	TOC	Zinc	Copper	Ni	ckel
<100mg/l	45,000mg/l	Omg/I	Omg/l		ng/l

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %	
Water	96-98	%	
Methanol	2-3	%	
Formalin (Flash 154 F)	1-2	%	
Hydrocarbyl Amine (Flash 143 F)	0.5-1.0	%	
-			

## **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Material is flammable liquid and must be handled accordingly

# **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Analytical

# **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

Material is flammable

# **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	See analytical 6010277
TCLP Volatiles:	See analytical 6010277
TCLP Semi-Volatiles:	See analytical 6010277
Reactivity:	See analytical 6010277
Corrosivity:	See analytical 6010277
Ignitability:	
v	See analytical 6010277

## **SECTION 9: Generator's Certification**

The information contained herein is based on $\boxtimes$ generator knowled attached description is complete and accurate to the best of my k omissions of composition properties exist and that all known or sustested are representative of all materials described by this document.	nowledge and ability to determine that no deliberate or willful
Authorized Signature:	Date: <u>1/19/06</u>
Printed Name/Title: Frank Hejtmanek/EH&S Manager	

			······································	
CES USE ONLY (DO NOT WRITE IN TI	HIS SPACE)	7	AND AND AND AND AND AND AND AND AND AND	
Compliance Officer:			Additional Information:	
Date:	Approved	Rejected		
Approval Number:				

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES   NO
If	'Yes', complete this section.
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
<u>Meta</u>	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol
	Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean out from organic, non natrodown sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

## **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

# Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd Houston, TX 77021 Phone (713) 676-1460

(281) 676-1676 Fax:

Attn:

Sean Easton

- CERTIFICATE OF RESULTS -

MES Lab#:

6010277

Client Sample ID:

Lubrizol - 0404

**Extended ID:** 

0404 Distillate Lubrizol Bayport

Sample Collect Date: 1/11/2006 @ 8:30:00 AM Sample Receipt Date: 1/11/2006 @ 12:29:00 PM Sample Type:

Comp

Test Group / Method

TCLP Volatiles Method: SW-846 8260B	MDL	RL_	Result	Units_	Analyst: HDG Date / Time
Vinyl chloride	1.00	0.2	< 1.00	mg/L	1/17/2006 / 12:04 PM
1,1-Dichloroethene	0.50	0.7	< 0.50	mg/L	1/17/2006 / 12:04 PM
2-Butanone	5.00	200	< 5.00	mg/L	1/17/2006 / 12:04 PM
Chloroform	0.50	6	< 0.50	mg/L	1/17/2006 / 12:04 PM
Carbon tetrachloride	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
1,2-Dichloroethane	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Benzene	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Trichloroethene	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Tetrachloroethene	0.50	0.7	< 0.50	mg/L	1/17/2006 / 12:04 PM
Chlorobenzene	0.50	100	< 0.50	mg/L	1/17/2006 / 12:04 PM
1,4-Dichlorobenzene	0.50	7.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
				-	
Hexachlorobutadiene	0.50	0.5	< 0.50	mg/L	1/17/2006 / 12:04 PM
Hexachlorobutadiene TCLP Sem-Volatiles					Analyst: TFR
Hexachlorobutadiene TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units	Analyst: TFR Date / Time
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine	MDL 0.10	<b>RL</b> 5	Result	Units mg/L	Analyst: TFR Date / Time 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene	MDL 0.10 0.10	<b>RL</b> 5 7.5	<b>Result</b> < 0.10 < 0.10	Units mg/L mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol	MDL 0.10 0.10 0.10	RL 5 7.5 200	<pre>Result &lt; 0.10 &lt; 0.10 &lt; 0.10</pre>	Units mg/L mg/L mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol	MDL 0.10 0.10 0.10 0.10	RL 5 7.5 200 200	Result < 0.10 < 0.10 < 0.10 < 0.10	Units mg/L mg/L mg/L mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol Hexachloroethane	MDL 0.10 0.10 0.10 0.10 0.10	RL 5 7.5 200 200 3	Result < 0.10 < 0.10 < 0.10 < 0.10 < 0.10	Units mg/L mg/L mg/L mg/L mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846.8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol Hexachloroethane Nitrobenzene	MDL 0.10 0.10 0.10 0.10 0.10 0.10	RL 5 7.5 200 200 3 2	Result < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sern-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol Hexachloroethane Nitrobenzene Hexachlorobutadiene	MDL 0.10 0.10 0.10 0.10 0.10 0.10	RL 5 7.5 200 200 3 2 0.5	Result < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol Hexachloroethane Nitrobenzene Hexachlorobutadiene 2,4,6-Trichlorophenol	MDL 0.10 0.10 0.10 0.10 0.10 0.10 0.10	RL 5 7.5 200 200 3 2 0.5 2	Result < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol Hexachloroethane Nitrobenzene Hexachlorobutadiene 2,4,6-Trichlorophenol 2.4,5-Trichlorophenol	MDL 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	RL 5 7.5 200 200 3 2 0.5 2 400	Result < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol Hexachloroethane Nitrobenzene Hexachlorobutadiene 2,4,6-Trichlorophenol 2,4-5-Trichlorophenol 2,4-Dinitrotoluene	MDL 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	RL 5 7.5 200 200 3 2 0.5 2 400 0.13	Result < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM
Hexachlorobutadiene  TCLP Sem-Volatiles Method: SW-846 8270C  Pyridine 1,4-Dichlorobenzene o-Cresol m+p-Cresol Hexachloroethane Nitrobenzene Hexachlorobutadiene 2,4,6-Trichlorophenol 2.4,5-Trichlorophenol	MDL 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	RL 5 7.5 200 200 3 2 0.5 2 400	Result < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10 < 0.10	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	Analyst: TFR Date / Time  1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM 1/12/2006 / 11:47 AM

Report Date: 18-Jan-06

Page 1 of 3

# - CERTIFICATE OF RESULTS -

MES Lab#:

6010277

Client Sample ID:

Lubrizol - 0404

Extended ID:

0404 Distillate Lubrizol Bayport

Sample Collect Date: 1/11/2006 @ 8:30:00 AM

Sample Receipt Date: 1/11/2006 @ 12:29:00 PM

Sample Type:

Comp

TCLP Metals (8) Method: SW-846 60108	MDL	RL	Result	Units	Analyst: CKIN Date / Time	NE
Arsenic	0.050	5	< 0.050	mg/L	1/12/2006 /	4:37 PM
Barium	0.002	100	0.004	mg/L	1/12/2006 /	4:37 PM
Cadmium	0.004	1	< 0.004	mg/L	1/12/2006 /	4:37 PM
Chromium	0.007	5	0.065	mg/L	1/12/2006 /	4:37 PM
Lead	0.010	5	< 0.010	mg/L	1/12/2006 /	4:37 PM
Selenium	0.050	1	< 0.050	mg/L	1/12/2006 /	4:37 PM
Silver	0.002	5	< 0.002	mg/L	1/12/2006 /	4:37 PM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: CKIN Date / Time	ME
Mercury	0.0002	0.2	0.0002	mg/L	1/12/2006 /	4:32 PM
Reactivity, Recoverable Hydrogen Cya Method: 7.3.3.2	anide MDL		Result	Units	Analyst: AS Date / Time	
Hydrogen Cyanide	0.25		< 0.25	mg/kg	1/16/2006 /	3:00 PM
Reactivity, Recoverable Hydrogen Sulf Method: 7.3.4.2	fide MDL	-	Result	Units	Analyst: AS Date / Time	
Hydrogen Sulfide	0.25		< 0.25	mg/kg	1/16/2006 /	9:45 AM
Corrosivity: pH Method: SW-846 9045	MDL_		R <u>esult</u>	Units	Analyst: CL Date / Time	
pH POWER AND ARREST AND TO THE			10.4	. • 5	1/12/2006 /	9:40 AM
Ignitability Method: SW-846 1010	MDL		Result	Units	Analyst: CL Date / Time	
Flashpoint			86	deg F	1/17/2006 /	1:00 PM
Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL		Result	Units	Analyst: TFR Date / Time	
C6 - C12 Hydrocarbons	4		513	mg/kg	1/18/2006 /	12:15 AN
>C12 - C28 Hydrocarbons	8		58	mg/kg	1/18/2006 /	12:15 AN
>C28 - C36 Hydrocarbons	8		< 8	mg/kg	1/18/2006 /	12:15 AM
Total TPH TE Market 1 1921 - 20 mm	20		571	mg/kg	1/18/2006 /	12:15 AN
TOC (Combustion)	MDL		Result	Units	Analyst: CL Date / Time	
_Method: EPA 415,1	1416		Meani	Onica		

Report Date: 18-Jen-06

Page 2 of 3

"种",这种人就是自己的特别,是自己的特别。

# - CERTIFICATE OF RESULTS -

MES Lab#:

6010277

Client Sample iD:

Lubrizol - 0404

Extended ID:

0404 Distillate Lubrizol Bayport

Sample Collect Date: 1/11/2006 @ 8:30:00 AM

Sample Type:

Comp

Sample Receipt Date: 1/11/2006 @ 12:29:00 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Wednesday, January 18, 2006

Date

MES

6010277

## MERCURY ENVIRONMENTAL SERVICES **QA/QC REPORT**

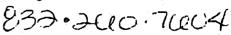
SURROGATE SPIKE RECOVERY FOR VOLATILES							% REC	
Dibromofluoromethane Toluene-d8 4-Bromofluorobenzene							85.4 102.6 99.6	
SURROGATE	ES	% REC						
2-Fluoropheno Phenol-d6 Nitrobenzene- 2-Fluorobiphei 2,4,6-Tribromo p-Terphenyl-d	d5 nyl ophenol						82.1 112.0 86.6 79.3 67.0 90.6	
ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Arsenic	< 0.005	100.3		8.72	< 0.005	98.3	106.0	90.4
Barium Cadmium	< 0.002 < 0.001	101.0 95.3	97.6 91.9	3.48 3.58	< 0.002 < 0.001	92.6 88.1	92.4 91.6	86.1 83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92,9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium Silver	< 0.024 < 0.001	104.0 101.4	93.5 97.8	10.69 3.61	< 0.024 < 0.001	98.3 97.2	97.8 96.0	94.1 90.6
Silver	~ U.UU	101.4	3 <i>1</i> .0	3.01	~ 0.00 i	91.2	50.0	90.6
ANALYTE	STD	ORIG		DUP				
Flashpoint	82°F	118°F		120°F	w			
ANALYTE	BUFFER 7.0	ORIG	DUP	RPD	1 a			
pH	7.0	7.18	7.06	1.69	aka den esen jarjaran (h. 1909). 1909 - Arian Arian (h. 1909). 1909 - Arian (h. 1909).			
		ORIG	DUP					

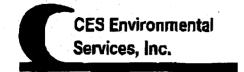
Mercury Environmental Services, Inc. -

EPAHO112000944

SQ-44 (b) (4)		Page 9 of 9
(b) (4)		

CES Environmental Svcs.





4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

LUBRIZOL

CES Waste Approval #:

1342

Customer:

The Lubrizol Corporation

Waste Generator:

The Lubrizol Corporation

Waste Stream Name:

APR-30-2007 15:53

0404 Distillate Wastewater Bottoms

**Expiration Date:** 

1/26/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

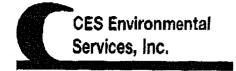
Please send new profile as waste stream has changed.

Somer Name

Signature

Title Lubrizal Corporation

Company



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

P.04

# Waste Profile Re-Certification Form

CES Waste Approval #: 1478

Customer:

Houston Plating and Coating LLC @ Baker Oil Tool

Waste Generator:

Houston Plating and Coating LLC @ Baker Oil Tool

Waste Stream Name:

Non-hazardous Paint Booth Filters

CES Environmental Svcs.

**Expiration Date:** 

4/4/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

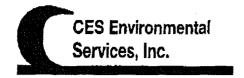
Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify,

Please send new profile as waste stream has changed.

Tating + Coatings, LLC

Received Time Apr. 30. 3:42PM



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #: 1479

Customer:

Houston Plating and Coating LLC @ Baker Oil Tool

Waste Generator:

Houston Plating and Coating LLC @ Baker Oil Tool

Waste Stream Name:

Non-hazardous Spent Blast Media

**Expiration Date:** 

4/4/2007

As per our waste analysis plan. CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

+(oatings,LLC

No changes, please recertify.

D Please send new profile as waste stream has changed.

Customer Name

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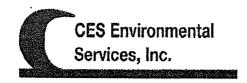
Simplime

Vice Preside

Title

Company

. Received Time Apr. 30. 3:42PM



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1342

Customer: <u>Lubrizol - Bayport</u>

Waste Generator: <u>Lubrizol - Bayport</u>

Waste Stream Name: 0404 Distillate Wastewater Bottoms

Expiration Date: <u>5/3/2009</u>

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)\_\_\_\_\_

No changes, please recertify.

Please send new profile as waste stream

The Lubrizol Co

Customer Name

Signature Frank

Company / Title

Date

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals

TCLP Volatiles

TCLP Semi-volatiles

Reactivity

Corrosivity

Ignitability

Goodman Manufathering (Ful But Pat)



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smead.com • Made in USA

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 1/27/2006

Dear Chad Jones

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1349

Generator: Goodman Manufacturing (Furnace Plant)

Address: 3300 West 11th Street

Houston, TX 77008

# Waste Information

Name of Waste: Pyrolysis Ash?dust TCEQ Waste Code #: 11083041

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Generated from the collection of pyrolysis dust that is part of the paint powder applicatin process. The dust is the left over paint powder from the powder application process.

Color: dark-black

Odor: None pH: na

Physical State: Solid

**Incompatibilities:** none known

Safety Related Data/Special Handling:

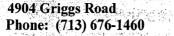
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

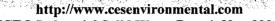
Matt Bowman, President CES Environmental Services, Inc.

# CES Environmental Services, Inc.



TOTAL TO A A TRANSPORT

Houston, TX 77021 Fax: (713) 676-1676



TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

	U.S.	EPA ID No:	TXD008950461	l IS	WR No: 30900	<u> </u>		Ex No. 1. It
SECTION 1: Gener	ator Information	er in the fig. 1997 etc.	A Secretaria de la Companya del Companya de la Companya del Companya de la Compan			ा राष्ट्रपार स्टब्स्ट्रीस		
Company :	Goodman Manufac	turing (Furnace	Plant)		setura de la composición della composición della	i, us sub w	Surgeri eng	humayi <u>l</u> i
Address :	3300 West 11th Str	eet	i seki .	34,1	orrast.		tim Proote 1	
City, State, Zip :	Houston TX 77008			<u> </u>	y bala, are di	i wan ik		<u> </u>
Contact :	Chad Jones	<i>र क्रा</i> र्डिक 📑 🐔 📆	Mag jinggaama d	Title	e::	Zigit dellem	1.6/1743	¥
Phone No:	(713) 861-2500			Fax	grando <u>i en la c</u>	170), 304 <u>3</u> 28		English St.
24 / HR Phone:	<u>grondanski sedisor.</u>	<u> </u>	ger (see a see a see a see		USB Phone		gy keise is ki	ess . Afr.
U.S EPA I.D No :	N/A	i de la companya di	40.00	<u>ander</u> Afrik			g Kappahan	
State I.D :	38432			SIC	Code			<u> </u>
	no injuislantjan. Pagantantaan isk		o do filmado de Sala. A la Nesta Salada de la composição de la composição de la composição de la composição de la composição de la c		trafication in the constant of			
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Company :	Goodman Manufac	turing (Furnace	Plant)	- 1. J. S.	De Barrier	astronia M	ar document	Distriction det
Address :	3300 West 11th Str				di Averi		रमान्यसंन्य	
City, State, Zip :	Houston TX 77008					STATE OF STATE	Per Per	erregijans (f. <del></del>
Contact :	Chad Jones	<u> projektiva se s</u>		Title	e:	2.43		gervage in de gi
Phone No:	(713) 861-2500		e gata ya k	Fax	: :			1.2
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Sea to accept the contract of	Pyrolysis Ash?dust	<del></del>				19 4 C. T.	· Anglika da ana ang ang ang	
Maine Of Waste .	T yrolysis Asir: dust							<del></del>
Physical State :	oowder application pr		dge [	Powder				
	<b>✓</b> Solid	☐ Filt	er Cake	Combin	ation			
Color :		dark-black	Odor	:		No	ne	
Specific Gravity	(Water=1) :	>1	Densi	ity :		>10	!k	os / gal
Layers :	✓ Single-Pha	s 🗌 Mu	Iti-Phase					
Container Type :	<b>☑</b> Drum	Tote	☐ Truck	☐ Oth	er (explain)		· · · · · · · · · · · · · · · · · · ·	
Container Size :	55							
Number Of Units	: 10							
Texas State Was	·	11083041	•					
		11000041						
Proper U.S. State	Waste Code No :		Non-RCF	≺A/Non D	OT regulated wa	ste solids	<u> </u>	
Class : na		/NA : na	····	PG :	na	P	RQ :	na
					Basetine Cree	idaa I	0-1:4-	
Flash Poir	nt i	рH	Reactive Sulfice		Reactive Cyan		Solids	
Flash Poir >200	•	p <b>H</b> na	Reactive Sulfice	des mg/l	BRL	mg/l	100	%
<del>-</del> ,								%

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PCMD Industrial Sales

Phone Fills. n-1409

Angelia de la company

The waste consists of the following materials  The waste consists of the following materials  Ranges are acceptable or %  Pyrolysis selvicust  100  SECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  SECTION 6: Attached Supporting Documents  List all documents, notes, data, and/or analysis attached to this form as part of the wasts approval package.  Analytical  SECTION 7: Incompatibilities  Please list all incompatibilities  Please list all incompatibilities  Please list all incompatibilities (if any): none known  SECTION 8: Generator's Knowledge Documentation  Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge  TCLP Metals:  See Analytical # 5010110  TCLP Sent-Volatiles:  See Analytical # 5010110  Reactivity:  See Analytical # 5010110  SecTION 9: Generator's Certification  The Information continated benefit is based on  generator knowledge and altiched description is complete and accurate to the best of my knowledge and ability to determine that no deliterator or willing omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.  Authorized Signature:  Date:  1/23/2006  Printed Name / Title: Mark Deweese / EHS Mgr  CES USE ONLY (DO NOT WRITE N THIS SPACES Approved Rejected  Approved Number:  1349			PROPERTY OF STATE OF THE STATE			
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SEC	TION 10: Waste Receipt Classification Under 40 CFR 437	SECTOCA OF WAR ARE ARE COMMON WAR AND AND AND A	sa aéstar kerili C
ls th	is material a wastewater or wastewater sludge ? YES 🗹 N	0	
If 'YE	ES', complete this section		
PLE	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATE	EGORY, GO TO THE NEXT PAGE	
Mata	als Subcategory: Subpart A	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co	
	Spent electroplating baths and/or sludges		
	Metal finishing rinse water and sludges		
SNUS	Chromate wastes	er en en friedelig gegen værigere i vilhansk om en en fig i o	The state of the s
	Air pollution control blow down water and sludges		
	Spent anodizing solutions		
	Incineration wastewaters	n en en Europe. On en en en en en en en en en en en en en	and the state of t
	Waste liquid mercury	The self- of the second second of the second	
	Cyanide-containing wastes greater than 136 mg/l	The control of the co	한 수술하다 한
	Waste acids and bases with or without metals	and the state of t	rangaria La salah barangan salah salah sa
	Cleaning, rinsing, and surface preparation solutions from electroplat	ing or phospha	
	Vibratory deburring wastewater	Merarous aspecific das maisteis	
	Alkaline and acid solutions used to clean metal parts or equipment	<ol> <li>Attabato en a unal stababilas describo disper</li> </ol>	are utipostriofici.
	- 12 - 11 - 12 - 12 - 12 - 12 - 12 - 12		e de la companya de l
Oils	Subcategory: Subpart B	Cay Subcatinon Subject D	
	Used oils		
	Oil-water emulsions or mixtures	All Carrier of securities are invariant and a securities of the control of the co	
	Lubricants		
	Coolants	er en en en en en en en en en en en en en	
- t	Contaminated groundwater clean-up from petroleum sources		
	Used petroleum products		
	Oil spill clean-up Bilge water		
	Rinse/wash waters from petroleum sources		
	Interceptor wastes		
. [	Off-specification fuels		
	Underground storage remediation wastes		
	Tank clean-out from petroleum or oily sources		
	Non-contact used glycols		
	Aqueous and oil mixtures from parts cleaning operations		
	Wastewater from oil bearing paint washes		
Orga	nics Subcategory Subpart C		
	Landfill leachate		
	Contaminated groundwater clean-up from non-petroleum sources		
	Solvent-bering wastes		
	Off-specification organic product		
	Still bottoms		
	Byproduct waste glycol		
	Wastewater from paint washes		
	Wastewater from adhesive and/or epoxies formulation		sing 1.
. $\square$	Wastewater from organic chemical product operations		

Tank clean-out from organic, non-petroleum sources

*	(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
	(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
		Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(1)		If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
graph day a spill tales day		☐ Metals Subcatego
	8 - 1 4-1	Oils Subcatego
	ر در عد	☐ Organics Subcategory
<u>S</u>	E	CTION 11: Additional Instructions
r.	f y	ou cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium,

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

ให้สามารถให้เหติ สายให้เกี่ยวสมารถและ และ เกี่ยวให้เล่า และ สามารถให้เลืองสายและ โดยได้ เล่า โดยเสียงสามารถให้

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear Brandi Hooper

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1349

Expiration Date 1/27/2008

Generator: Goodman Manufacturing (Furnace Plant)

Address: 3300 West 11th Street

Houston, TX 77008

Waste Information

Name of Waste: Pyrolysis Ash/dust TCEO Waste Code #: 11083041

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Generated from the collection of pyrolysis dust that is part of the paint powder applicatin process. The dust is the left over paint powder from the powder application process.

Color: dark-black

Odor: None

pH: na

Physical State: Solid

Incompatibilities: none known

Safety Related Data/Special Handling:

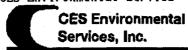
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. CES Environmental Service

7138561832 P.001 713 676 1676 P.02/05



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.ccsenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Informatio	on											
Company:	Goodman Ma	anufacturing (	Furnace	Plant)									
Address :	3300 West 1	1th Street 33	00 West	11th S	treet			• • • • • • • • • • • • • • • • • • • •					
City, State, Zip:	Houston TX	7700B											
Contact :	Brandi Hoop	er					Title :						
Phone No :	(713) 263-55	94					Fax :	(7	13) 586-	8031			
24 / HR Phone :													
U.S EPA I.D No :	N/A						-						
State I.D:	84122						SIC Co	ode .					
SECTION 2: Billing	information :												
Company:	Goodman Ma	anufacturing (	Furnace	Plant)									
Address :	3300 West 1				treet								
City, State, Zip:	Houston TX	77008											
Contact :	Brandi Hoope						Title:						
Phone No :	(713) 263-55	94					- Fax :	(7	13) 586-	8031			
SECTION 3: Genera	el Description	of the Waste											
Name of Waste :	Pyrolysis Ast	/dust						_					
Detailed Descript	tion of the Pr	ocess Gener	ating Wa	ıste:									
Generated from the powder from the p	e collection of	f pyrolysis du:			the pain	t powde	er applic	ating p	rocess.	The du	st is the	left ove	er paint
Physical State :	[] Liquid		☐ Stu	dge		□ Po	wder						
	Solid		. Film	ar Cake		E] Co	mbinatio	ก					
Color :	•	da	ırk-black		Od	or:					None		· · · · · ·
Specific Gravity (	(Water=1):		>1		De	nsity :				>10			bs / gal
Does this material	contain any tol	ai phenolic co	mpounde	57	∐ Ye	8	☐ No						
Does this material	contain any pa	ra substituted	phenolic	compo	unds?	1	Yes	į	_] No		* •		
s the Waste subjec						Part 81.	Subpart	FF)		Yes		No	
_	816 2819	2821 2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
	2869 2873	2874 2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers :	<b>⊘</b> Singl	e-Phas	<u> </u>	lti-Phas	se ·								
Container Type :	☐ Drum		Tote	$\Box$	Truck		Other (	islqxe)	n)				
Container Size :	55												
Number Of Units													
Is this a USEPA "i If "Yes", then pl					_	Yes onstitue	□ N nts Form		d hereto		<i>t</i>		
TE "Vae" is it:	noos [	: D002 - [	E000										

<b>Jบัท−10−2008 09:</b> 3	32 GOOI	DMAN					713 <b>8</b> 561 <b>8</b> 32	
JUN-04-2008 10:	-	S Environme	ental Se	rvice	e e e e e e e e e e e e e e e e e e e	713	676 1676	P.03
naractenstic for Toxic M	1etals: 🔲 D004	☐ D005	<u> 🗀 0006</u>		007			
	☐ D00B	<b>□</b> 0009	<b>0010</b>	_ D	011			
naracteristics for Toxic	Organics: D012 thru	u DQ43 (please	e list all that	apply)				
this an "F" or "K" Liste	d waste or mixed w	ith one?	Yes	∏ No				
If "Yes", then picase i	list ALL applicable co	ories:		• • • • • • • • • • • • • • • • • • • •				·
this a commercial prod 61.33(e) or (f)?	luct or spill cleanup	that would ca	my a "U" or	"P" wast	a code under 40 (	CFR'Ye	s No	<b></b>
If "Yes", then please i	ilst ALL applicable co	odes:						
xas State Waste Code	No: 11	1083041						
oper U.S. State Waste	Code No :		Non-RC	RA/Non D	OT regulated wa	ste solids	<del></del>	
lass :	UN/NA:_	na		PG:	na		RQ:n	<u>a</u>
Flash Point	рН	Re	active Sulf	des	Reactive Cyan	ides	Solids	
>200	na		BRL	_mg/l	BRL	mg/l	100	- %
Oil and Grease	тос		Zinc		Copper		Nickel	
na mg/l	na	mg/l	BRL	mg/l	BRL	mg/l	BRL	mg/l
The material /	product consists of Pyrolysis ash		ng material		Ranges	are accepta		%
						,,,,		
								ł
STION & Safety Delegand	Data		·				· ·	
		—	rotective e	ogulomen	it. oloase evolaii	n.		
ne handling of this wa		 of special p	protective e	quipmen	ıt, please explaii	n.		
e handling of this wa			protective e	equipmen	ıt, please explai	n.	<u>.</u>	_
ne handling of this wa		se of special p	protective e	equipmen	it, please explai	n.		
na handling of this wad ndard PPE	ste requires the us	of special p	<b>srotective</b> e	equipmen	it, please explai	n.		
na handling of this war ndard PPE CTION 6: Attached Suppo	ste requires the us	_					âge.	
CTION 6: Safety Related End handling of this was indeed PPE CTION 6: Attached Support all documents, notes alytical	ste requires the us	_					agę,	
na handling of this war ndard PPE CTION 6: Attached Suppo	ste requires the us	_					agę,	
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na handling of this wan ndard PPE CTION 6: Attached Support all documents, notes allytical CTION 7: Incompatibilities ase list all Incompatib	ste requires the us or <u>ting Documents</u> s, data, and/or analy	_					âgş,	
na handling of this wan ndard PPE TION 6: Attached Suppo t all documents, notes llytical TION 7: Incompatibilities	ste requires the us or <u>ting Documents</u> s, data, and/or analy	_					agę,	
na handling of this wan ndard PPE CTION 6: Attached Support all documents, notes allytical CTION 7: Incompatibilities ase list all Incompatib	ste requires the us or <u>ting Documents</u> s, data, and/or analy	_					agę,	
ne handling of this wan indeed PPE CTION 6: Attached Support all documents, notes allytical CTION 7: Incompatibilities ase list all Incompatibilities the known	orting Documents s, data, and/or analysis	 ysis attached					âg <b>y</b> ,	
ne handling of this wanderd PPE  CTION 6: Attached Support all documents, notes allytical  CTION 7: Incompatibilities are list all Incompatible known  CTION 8: Generator's Known analysis of the coratory analysis of the	orting Documents s, data, and/or analy sellities (if any):	ysis attached	l to this for	m as pari	of the waste ap	proval pack		
na handling of this wanderd PPE  TION 6: Attached Support all documents, notes allytical  TION 7: Incompatibilities are list all incompatible known  TION 8: Generator's Knowing generators knowing generat	orting Documents s, data, and/or analy sellities (if any):  bwiedge Documentate the hazardous waste	ysis attached	l to this for	m as pari	of the waste ap	proval pack		
na handling of this wan ndard PPE CTION 6: Attached Support all documents, notes allytical CTION 7: Incompatibilities ase list all Incompatib	orting Documents s, data, and/or analy sellities (if any):	ysis attached	l to this for	m as pari	of the waste ap	proval pack		

J	JUN-04-2008 1	.0:31 CES E	Invironmental	Service		713 676	1676
Corrosivity: See Analyt		See Analytical # 5010	<u> w</u> .				
Ignitability:							
ign	aomy:	See Analytical # 5010	110				
SEC'	TION 9: Waste Receip	t Classification Under 40 C	FR 437				
,		ater or wastewater sludge		<b>₽</b> NO			
				<u> </u>	•		
	ES', complete this se						
		PPROPRIATE BOX: IF N	O APPROPRIAT	E CATEGORY,	GO TO THE NEXT	PAGE	
	ls Subcategory: S						
		ng baths and/or sludges					
-	_	se water and sludges					
	Chromate wastes		.d				
		ol blow down water and slu	nges				
	Spent anodizing sales Incineration waste						
	Waste liquid merc				•		
	· · · · · · · · · · · · · · · · · · ·	ury g wastes greater than 136	i mali				
		g wastes greater than 190 pases with or without meta	- <del>-</del>				
		and surface preparation so		rtroplating or ph	inenha		
	Vibratory deburring			Strablating or bu	Юэрпа		
	<u>-</u>	solutions used to clean me	tal parts or equin	ment			
_							
Oils :	Subcategory: S	ubpart B					
[]	Used pils						
	Oil-water emulsion	s or mixtures					
	Lubricants						
["	Coolants						
	Contaminated grou	ındwater clean-up from pe	etroleum sources				
	Used petroleum pr	oducts					
	Oil spill clean-up						
	Bilge water						
		from petroleum sources					-
	Interceptor westes						
	Off-specification fu						
	•	ge remediation wastes					
		n petroleum or oily source	<b>IS</b>				
	Non-contact used	7.7					
		ixtures from parts cleaning	poperations				
	vvastewater irom o	il bearing paint washes					
3pm 01	nics Subcategory S	Subpart C					
	Landfili leachate	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN T					
		indwater clean-up from no	n-petroleum soul	rces			
<u>.</u>	Solvent-bering was						
	Off-specification or						
	Still bottoms						
	Byproduct waste gl	ycol					
$\bar{\Box}$	Wastewater from p	aint washes		* .			

☐ Wastewater from adhesive and/or epoxies formulation

P.04/05

. J!	HN-10-2008 09	9:32	GOODMAN			71	38561832	P.004
	•	10:31	CES Environmental	Service		713 67	6 1676	P.05/05
	Tank clean-out	irom organic, non-	petroleum sources					
(1)	If the waste contain	ns oil and grease a	t or in excess of 100 mg/L	, the waste shoul	d be classified in th	oils subce	ategory	
(2)			ess than 100 mg/L, and ha waste should be classified			o concentra	tions in	
	Cadmium: 0.2 m Chromium: 8.9 m Copper: 4.9 mg/l Nickel: 37.5 mg	g/L _						
(3)			ess than 100 mg/L, and do d above, the waste should				um, copper,	
	☐ Metals Subcate	go						
	☐ Oils Subcatego							
	Organics Subca	itegory						
6E(	CTION 10: Addition	ral Instruction						
Chr	ornium, Copper, Nic	ckel, and Oil and G	tegory in Section 9 and your rease, CES will send offsi tance. The generator will be	te to a commerci	al laboratory a samp	ole to deter		
SEC	TION 11: Generator	s Cartification		*				
abo dell	ive and attached d berate or willful o	escription is com missions of comp	sed on  generator kn plote and accurate to the caltion properties exist exted are representative	best of my knownd that all know	wledge and ability yn or suspected h	to determ ezards hav	ine that no	the
Auf	thorized Signature	:	A T		Date: -1	<del>/23/2008</del> -	6/1-108	
Prir	nted Name / Title :	Mark Dewylese	EHSWigr J: MC	<b>Y</b>				
CE	S USE ONLY (DO	NOT WRITE IN TH	IIS SPACE)	1. apr	Process Facil	<u> </u>	tion :	]
Ca	mpliance Officer :	Prebhekar Tha	ingudu Lahhun Z	Daval	<b>V</b>	0/dm :00/ milkrun age(include		
Dat	te: 1/27/2	2006 Status	Approved Re	pjected	10			}
Αp	proval Number ;	- 419	1349	·				

no leb Applysis Analysis or Signatur



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4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# **Waste Pre-Acceptance/Approval Letter**

Date 6/12/2008

Dear Jim McCoy

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1350

Expiration Date 1/27/2008

Generator: Goodman Manufacturing (Cooling Plant)

Address: 1501 Seamist Drive

Houston, TX 77008

### Waste Information

Name of Waste: Pyrolysis /ash/Dust TCEQ Waste Code #: 69103041

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Generated from the sollection of pyrolysis dust that is part of the paint powder applicatin process. The dust is the left over paint powser from the powder application process.

Color: dark-black

Odor: none

pH: na

Physical State: Solid Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

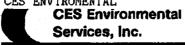
If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES ENVIROMENTAL

7138561832 P.005 7137488664 P.002



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Informati	on											
Company:	Goodman M	lanufactu	ring (Cool	ing Plant)									
Address :	1501 Seami	st Drive	1501 Sea	mist Drive									
City, State, Zip:	Houston TX	77008											
Contact:	Jim McCoy						Title :						
Pho <b>ne N</b> o :	(713) 263-53	327			-		Fax:	(7	13) 586	8031			
24 / HR Phone:													
U.S EPA I.D No :	TXD010803	013	- **		***		_						
State I.D :	38432						_SIC Cod	le	······································				
SECTION 2: Billing	Information												
Company:	Goodman M	anufactu	ring (Cool	ing Plant)				4					
Address :	1501 Seamis											<del></del>	
City, State, Zip :	Houston TX	77008							-				
Contact :	Jim McCoy						Title :						
Phone No :	(713) 263-53	327	-				Fax:	(7	13) 586	8031			
SECTION 3: General	el Description	of the Wa	aste										
Name of Waste :	Pyrolysis /as	:h/Dust											
Detailed Descript	tion of the Pr	rocess C	ieneratino	Waste:							.,		
Generated from the p				at is part of	f the pain	nt powd	er applicat	ting p	rocess.	The du	st is the	left ove	er paint
Physical State :	🛅 Liqui	d	(N)	Sludge		æ Po	wder						
	<b>☑</b> Solid	l		Fliter Cake	€	€ Co	mbination					٠.	
Color :			dark-b	lack	Od	lor:			·		none		
Specific Gravity (	(Water=1) :		>1		De	nsity :				>10			lbs / gal
Does this material (	contain any to	tal pheno	ile compo	unds?	□ Ye	98	☐ No						
Does this material o	contain any pa	ıra subat	tuted pher	rolic comp	ounds?	-	Yes	E	<b>∄</b> No				
s the Waste subject	t to the benze	ne waste	operation	NESHAP?	(40 CFR	Part 61,	Subpart F	F)		Yes		No	
•	816 2819		. *	23 2824	•	2834	•	2836	2841	2842	2843	2844	2851
	869 2873		2876 28		2892	2893		2899	2911	3312	4953	4959	9511
Layers :	<b>⊘</b> Singl	le-Phas	<b></b>	Multi-Pha	se								
Container Type :	Orun	n 🕾	Tote		Truck	<b>Y</b> :	Other (e	xpfail	n)				
Container Size :	55												
Number Of Units	: 10												
Is this a USEPA "H If "Yes", then ple		-			_	<b>Yes</b> anstituei	□ No	tachec	d hereto	•			
If "Yes", is it:	D001	D002	☐ D00	3									

	:33 GOODMA			713 <b>8</b> 561 <b>8</b> 32 P
JUN-04-2008 1	.0:35 CES_E	NV IROMENTAL		7137488664 P.003
	□ D008 □	D009   D010	D011	
Characteristics for Toxic (	Organics: D012 thru D043	(please list all that apply)		
s this an "F" or "K" Listed	l waste or mixed with one	? 🗌 Yes 🔲 No		
If "Yes", then please li	st ALL applicable codes:			
is this a commercial produ 261.33(e) or (f)?	act or spill cleanup that w	ould carry a "U" or "P" was	ste code under 40 CFR	Yes 🗋 No
If "Yes", then please li	ist ALL applicable codes:			
exas State Waste Code	No :6910304	1		
roper U.S. State Waste (	Code No :	Non-RCRA/Non	DOT regulated waste solid	S
Class: na	UN/NA : na	PG :	na	RQ: na
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
>200	na	BRL mg/l	BRL mg/l	
Oil and Grease	TOC	Zinc	Copper	Nickel
na mg/l	na mg/l	BRL mg/l	BRL mg/l	BRL mg/l
ECTION 4: Physical and Ch	emical Data			
	COMPONENTS TABLE	antiger stagen discussion of the	Concentrat	on Units
	product consists of the f		Ranges are acc	
	Pyrolysis ash/dust		100	%
				· •
ECTION 5: Safety Related D	late			
		pecial protective equipme	ent, piease explain.	
landard PPE	20 (04a00 a.a 255 o. a)	protection of all the	or production	
ECTION 6: Attached Suppor	rtina Documents			
		tached to this form as pa	rt of the waste approval p	ackage.
nalytical				
ECTION 7: Incompatibilities	i			
ease list all Incompatibi	lities (if any):			
one				
CTION 8: Generator's Kno	wledge Documentation			
aboratory analysis of the llowing generators know		cteristics, listed below, V	VAS NOT PERFORMED ba	ased upon the
CLP Metals :	Analytical # 5010110			
CLP Volatilies :	Analytical # 5010110			
01 m 0 1 1/-1 - 1/1 - 1	1 1 1 - # =0.40.446			

GOODMAN

7138561832

P.007

7137400664

P.004

Corrosivity:

JUN-04-2000 10:35

CES ENVIROMENTAL Analytical # 5010110

Ignitability:

Analytical # 5010110

SECT	ION 9: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge?   ☐ YES  ☑ NO
If 'YE	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electropiating or phospha
	Vibratory deburring wastewater
	Alkaline and add solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
Ш	Lubricants
	Coolents
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels Underground storage remediation wastes
	Tank clean-out from petroleum or olly sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
	vractowater notificial paint vracines
Organ	lcs Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation

JUN-10-2008 09:33 GOODMAN	7138561832 I
JUN-04-2008 10:36 CES ENVIROMENTAL	7137488664 P.005
Tank clean-out from organic, non-petroleum sources	
1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be cla	seified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants lis excess of the values listed below, the waste should be classified in the metals subcatego	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	
3) If the waste contains oil and grease less than 100 mg/L, and does not have concentration or nickel above any of the values listed above, the waste should be classified in the organ	
☐ Metals Subcatego	
☐ Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
I you cannot determine the correct subcategory in Section 9 and you did not furnish data for Chromlum, Copper, Nickel, and Oll and Grease, CES will send offsite to a commercial labora concentrations. This will be prior to acceptance. The generator will be responsible for the cos	lory a sample to determine these
ECTION 11: Generator's Certification	
The information contained herein is based on	and ability to determine that no spected hazards have been
Authorized Signature : Date :	<u> 1/23/2008</u>
Printed Name / Title : Med-Bowless / EHS Mgr Tim MCG	
Compliance Officer: Prabhakar Thangudu Political Page 1	cess Facility Information : \$50/dm Trans \$200/ milkrun //nr demurrage(Includes fsc)
Date: 1/27/2006 Status: Approved Rejected	
Approval Number:	

P.008

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 1/27/2006

Dear - Will Kreisel

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1350

Generator: Goodman Manufacturing (Cooling Plant)

Address: 1501 Seamist Drive

Houston, TX 77008

### Waste Information

Name of Waste: Pyrolysis /ash/Dust TCEQ Waste Code #: 69103041

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Generated from the sollection of pyrolysis dust that is part of the paint powder applicatin process. The dust is the left over paint powser from the powder application process.

Color: dark-black

Odor: none

pH: na

Physical State: Solid Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

	SECTION 1. Genera	ator information	<u>-</u>		* * * * * * * * * * * * * * * * * * *		and the second second
	Company:	Goodman Manuf	acturing (Cooling Pl	lant)	. Company :		artic <u>ipani, Pastin</u>
	Address :	1501 Seamist Dri	ive		a di Ore Sa	មើល ខែនិងមាន	
art V	City, State, Zip:	Houston TX 7700		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	, jany, decrejiti		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Contact :	Will Kreisel	Samuel Carlotte	The state of the s	Title:		
	Phone No :	(713) 861-2500			Fax:71?	3-869-6310	Ter Selection in the
	24 / HR Phone :						
	U.S EPA I.D No :	: na			<u>,, , , , , , , , , , , , , , , , , , ,</u>	Master Silver	
	State I.D :	38432			SIC Code	4422	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Alberta de las Las terras	and a superior of the superior						
	SECTION 2: Billing	ு Information			SECTION STO	Miles Mornaldo	
	Company :	Goodman Manufr	acturing (Cooling Pl	lant)	for Gorginay:	Tara di di di di di di di di di di di di di	
	Address :	1501 Seamist Driv	ıve		Widness .	a is described and	
And the second	City, State, Zip :	· <del></del>	J <b>8</b>	i ser nake ser	ur emigoneachd)	in Smiliter	
	Contact :	Will Kreisel			Title:		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Phone No:	(713) 861-2500	<del>-</del> -		Fax: 713	3-869-6310	
			<del></del>				
	age gapes with the second of the contract	ral Description of the			and make in the second	et foregoe et et et e	
		: Pyrolysis /ash/Du			·		
	Detailed Descrip	otion of Process G	enerating Waste:				
		he sollection of pyropowder application		art of the paint pow	der applicating pro	ocess. The dust is t	he left over paint
	Physical State :	_ Liquid	☐ Slude	ge 📗 1	Powder		
		✓ Solid	Filter	r Cake	Combination		
	Color:		dark-black	Odor :	· · · · · · · · · · · · · · · · · · ·	none	3
	Specific Gravity (	(Water=1) :	>1	Density	<i>j</i> :	>10	lbs / gal
	Layers :	✓ Single-Ph	has [] Multi	ti-Phase			
	Container Type :	: 🗸 Drum	☐ Tote	Truck [	Other (explain	1)	
	Container Size :	55		<u>.</u>	<u>→, :</u>	· · · · · · · · · · · · · · · · · · ·	
			-	<del> </del>			
	Number Of Units		-			e de la companya de l	
	Texas State Wast	te Code No :	69103041				
	Proper U.S. State	e Waste Code No :	•	Non-RCRA	VNon DOT regulate	ed waste solids	
	Class : na	<u>.</u>	JN/NA : na	5	PG: na	-	RQ: na
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BOND PROGRAMME TO BE STREET

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and the second	SECTION 6: Attached Supp	orting Documents			ger Francisco (Constitution Constitution Constitution Constitution Constitution Constitution Constitution Cons	
Nacional Nacional	List all documents, note	s, data, and/or analysis	attached to this form	as part of the waste	approval package.	hove paramed to fa
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			A Problems			
Port Co.	SECTION 7: Incompatibilitie					
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ing di Maria. Manggan Maria	nggapalkas sa			e e gatjalije		
		·				
*	SECTION 8: Generator's Kn Laboratory analysis of th following generators kno	e hazardous waste cha	aracteristics, listed be	low, WAS NOT PERF	ORMED based upon the	•
	TCLP Metals :	Analytical # 5010110				
	TCLP Volatilies :	Analytical # 5010110	2.3512.05			
	TCLP Semi-Volatiles :	Analytical # 5010110				
	Reactivity:	Analytical # 5010110				
* * * * * * * * * * * * * * * * * * * *	Corrosivity:	Analytical # 5010110				
•	Ignitability :	Analytical # 5010110				
	SECTION 9: Generator's Cer	rtification				
	The information contains above and attached describerate or willful omis disclosed. I certify that t	ription is complete and sions of composition p	d accurate to the best properties exist and th	of my knowledge and at all known or suspe	d ability to determine the ected hazards have bee	at no
	Authorized Signature :			Date :	1/23/2006	
	Printed Name / Title :	Mark Deweese / EHS Mg	yr .			
	CES USE ONLY (DO NO	T WRITE IN THIS SPACE	Thanged	Ado	litional Information	
	Compliance Officer :	Prabhakar Thangudu				
	Date : 1/27/2006	Status: App	proved Rejected			
	Approval Number :	13	350	-		

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*4.			
		ION 10: Waste Receipt Classification Under 40 CFR 437	er en en en en en en en en en en en en en
A STATE OF THE STA	·Is thi	s material a wastewater or wastewater sludge ? 📑 YES 🔽 NO	
्राच्याची स्थापना । प्राच्याची स्थापना ।	If 'YE	S', complete this section	
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and the same		Cleaning, rinsing, and surface preparation solutions from electroplating	
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		Oil spill clean-up	
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		Rinse/wash waters from petroleum sources	
		Interceptor wastes	
		Off-specification fuels	
		Underground storage remediation wastes	
		Tank clean-out from petroleum or oily sources	
		Non-contact used glycols	
	. 🔲	Aqueous and oil mixtures from parts cleaning operations	
		Wastewater from oil bearing paint washes	
	<u>Orga</u>	nics Subcategory Subpart C Landfill leachate	
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		Solvent-bering wastes	
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		Still bottoms	
		Byproduct waste glycol	p · · · · · · · · · · · · · · · · · · ·
		Wastewater from paint washes	
		Wastewater from adhesive and/or epoxies formulation	
		Wastewater from organic chemical product operations	

Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in cercess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
i yel	Oils Subcatego
7 / 3	☐ Organics Subcategory
Ţij.	CTION 11: Additional Instructions
	ou cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, romium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these

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concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

# CES ENVIRONMENTAL SERVICES. INC.

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #:

1350

Waste Generator:

Goodman Manufacturing (Cooling Plant)

Waste Stream Name:

Pyrolysis Ash/dust

Expiration Date:

1/27/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

- No changes, please recertify.
- Please send new profile as waste stream has changed.

Customer Name

Goodman MFG Company

135Anco Drilling Equipment Profile # 1351



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10011 - 31-1011

4904 Griggs Road Houston TX 77021 Tel: (713) 676-1460 Fax (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 1/27/2006

Dear Melissa Giegley

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1351

**Generator:** Varco Drilling Equipment **Address:** 12950 W. Little York

Houston, TX 77041

### Waste Information

Name of Waste: Absorbent/Floor Sweep

**TCEQ Waste Code #:** 00184091

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Kitty litter absorbent and floor sweep generated from cleaning up spills and leaks of

lubricating oils in machine shops.

Color: Black

Odor: None

pH: na

Physical State: Solid Incompatibilities: none

Safety Related Data/Special Handling:

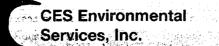
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Fax: (713) 676-1676

Houston, TX 77021

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

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12.00	Company:	Varco Drilling Equipmen	nt par song	<u> </u>	regardy	e Name (M. Propo	
	Address :	12950 W. Little York					
	City, State, Zip:	Houston TX 77041		12.		i disanjaniski e	
* 51	Contact :	Melissa Giegley	1 - 1 - 2×4-5-10	Titl	e:	i denska iligara	, to 10 mg - 1
Polavis	Phone No :	(713) 856-4145	or was fact that a second	Fax	<b>©</b> € }4 <u></u>		
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la la	Contact :	Melissa Giegley		Titl	e:		
541. Š.	Phone No :	(713) 856-4145		Fax	( <b>.</b>	*	
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				oritoria. Propieta	_	g oils in machine sl	nops.
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	TCLP Volatilies :	see sample ID 6010486			e e e e e e e e e e e e e e e e e e e	
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	Reactivity :	None present in waste generation				
. (	Corrosivity :	None present in waste generation				
	Ignitability :	None present in waste generation				
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	Authorized Signature :			Date :	1/24/2006	
	Printed Name / Title :	Melissa Geigley / EHS Manager			4 · ·	
	CES USE ONLY (DO NO	TWRITE IN THIS SPACE)		Additio	nal Information	
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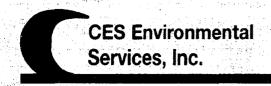
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		Interceptor wastes			
		Off-specification fuels			
		Underground storage remediation wastes			
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		Byproduct waste glycol	7		
		Wastewater from paint washes			
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Tank clean-out from organic, non-petroleum sources

(1)	if the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
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	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L
	Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
883	☐ Organics Subcategory
SE	TION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel: (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 1/27/2006

Dear Melissa Giegley

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1351

Generator: Varco Drilling Equipment

Address: 12950 W. Little York

Houston, TX 77041

## Waste Information

Name of Waste: Absorbent/Floor Sweep

**TCEQ Waste Code #: 00184091** 

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Kitty litter absorbent and floor sweep generated from cleaning up spills and leaks of

lubricating oils in machine shops.

Color: Black Odor: None pH: na

Physical State: Solid Incompatibilities: none

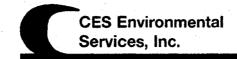
Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President = CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	Varco Drilling Equipr			
Address:	12950 W. Little York			
City, State, Zip:	Houston, TX 77041			
Contact:	Melissa Geigley		Title:	EH&S Manager
Phone No:	(281) 387-7813		Fax No:	(713) 937-5022
24/hr Phone:	(281) 387-7813		<del></del>	
U.S. EPA I.D. No:	TXT490014180			,
State I.D.	32145		SIC Code:	
Company:Address:	Information – X Sa	me as Above		
City, State, Zip:				
Contact:		Title:		
Phone No:		Fax No:		
Name of Waste: Abs			rbent and floor s	weep generated from cleaning up spills and
leaks of lubricating oil		77		gap opins und
			<u> </u>	
Physical State:	Liquid [	☐ Sludge [	Powder	
	X Solid	Filter Cake	Combination	n
Color: Tan-Black	Odo	r: <u>None</u>		
<del></del>				
Specific Gravity (wat	ter=1): <u>2</u>	Density: 15 lbs/gal		
Layers:	X Single-phase	Multi-phase		
Container Type: Container Size:	X Drum [ 55-gal	Tote	Truck	X Other (explain)
				·
<b>17</b>		"] Maria and Maria	1 0	V V. 1
Frequency:	☐ Weekly ☐		Quarterly	X Yearly
Number of Units (cor	, <del></del>	Other:		
Texas State Waste Co	ode No: 🔑 🗷	184091		
Proper U.S. DOT Shi		Non-DOT Regulated	Material	
Class: N/A	UN/NA:	N/A	PG: N/A	A RQ: N/A
·	· · · · · · · · · · · · · · · · · · ·			
Flash Point	pH Re	active Sulfides	Reactive C	yanides Solids
<u>N/A</u>		<u>Amg/l</u>	N/Amg/I	<u>100</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
N/Amg/I	<u>N/A</u> mg/l	N/Amg/I	N/Amg/I	N/Amg/I

### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %	
Kitty Litter Absorbent	95-100	%	
Lubricating Oils	4-5	%	
Debris (Trash)	1-2	%	
and the control of th	The second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section is a second section of the second section of the second section is a second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the sect	and selection	
The second of th	in the second second second second second second second second second second second second second second second		

If the handling of this waste requires the use of special protective equipment, please explain.

#### SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. See analytical 6010486

### SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None

### SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

See Sample ID 6010486

TCLP Volatiles:

See Sample ID 6010486

TCLP Semi-Volatiles:

No semi-volatile compounds present in waste generation process

Reactivity:

Approval Number:

No semi-volatile compounds present in waste generation process

Corrosivity:

No semi-volatile compounds present in waste generation process

Ignitability:

No semi-volatile compounds present in waste generation process

	Certification

The information contained herein is based on XI generator knowledge and/or XI analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Date: 1/24/2006

	39		
Printed Name/Title: Melissa Geiglev, EH&S Manage		en en en en en en en en en en en en en e	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)			
Compliance Officer: Polyholm Thage	A Addition	nal Information:	
Date: 1-27-06 (Approved)	Rejected		·

(1)	If the w	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.				
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.				
	Chromi Copper	m: 0.2 mg/L um: 8.9 mg/L : 4.9 mg/L 37.5 mg/L				
(3)		If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, on nickel above any of the values listed above, the waste should be classified in the organics subcategory.				
		Metals Subcategory				
		Oils Subcategory				
		Organics Subcategory				

# **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

6010486

# MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTES	METHOD 8021B	MB mg/l	MS %REC	MSD %REC	RPD	STD %REC	
			1. 1.		to the second se		
Benzene		< 0.005	90.8	91.0	0.22	89.6	
Toluene		< 0.005	100.0	101.0	1.00	98.9	
Ethylbenzene		< 0.005	99.8	104.0	4.12	99.7	
m+p Xylene		< 0.005	102.0	112.0	9.35	110.3	
o-Xylene		< 0.005	97,3	108.0	10.42	103.2	
•							

# SURROGATE SPIKE RECOVERY FOR BTEX

% REC

4-Bromofluorobenzene

93.2

					LOW			• .
ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	CHECK STD	ICS %REC
Arsenic	< 0.005	100.3	91.9	8,72	< 0.005	98,3	106.0	90.4
Barium	< 0.002	101.0	97.6	3,48	< 0.002	92.6	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3,53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90,6

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate
MB=Method Blank

CCV=Continuing Calibration Verification

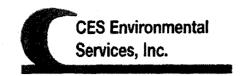
%Rec=Percent Recovery

RL=Regulatory Limit

Signature:

Daniel C. Wolbrecht / Laboratory Manager

January 24, 2006

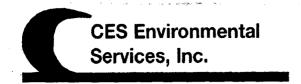


CES Waste Approval #: HOU-1351

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

Customer:	NOV Drilling Eq	uipment (West Little York)				
Waste Generator:	NOV Drilling Equipment (West Little York)					
Waste Stream Name:	<u>Absorbent/Floor</u>					
Expiration Date:	1/27/2008					
profiles on an annual basis.	The purpose of this forementioned waste st	tal Services, Inc. requires recertification of all approved waste form is to confirm that no changes have been made in the tream and that the waste stream remains classified as non-				
_	•	the aforementioned waste stream and the process generating the aforementioned CES Waste Approval Number: (Check				
No changes, please recer	tify.	☐ Analysis is NOT required for recertification.				
Please send new profile a has changed.  Customer Name	is waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.  ☐ TCLP Metals ☐ TCLP Volatiles				
Signature		☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability				
Company / Title	MOR					



# Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear Joe Stankovich

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1361

Generator: Houston Plating

Address: 1315 Georgia, PO Box 418

South Houston, TX 77587

## Waste Information

Name of Waste: Non-Hazardous Wastewater

**TCEO** Waste Code #: 00202051

**Container Type:** Truck

**Detailed Description of Process Generating Waste:** 

Nuvat parts washer cleaaner and water mixture usxed in surface preparation for a phosph

process.

Color: Varies

Odor: Mild

pH: na

Physical State: Liquid Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information	-		
Company:	Houston Plating	+Coatings, LLC	<u></u>	
Address:	1315 Georgia	J/		
City, State, Zip:	South Houston, T	X 77587		
Contact:	Joe Stankovich		Title:	VP
Phone No:	713-946-8920		Fax No:	713-946- 7326
24/hr Phone:	713-946-8920		<del></del>	
U.S. EPA I.D. No:	TXD982556391		_	-11 - 1170
State 1.D.	38553		SIC Code:	3471, 3479
SECTION 2: Billin	g Information —	Same as Ahove		,
Company:	Houston Plating +			
Address:	PO Box 418	to a sugar	<del></del>	
City, State, Zip:	South Houston, TX	77587		
Contact:	Attn: Joe	Title:	VP	
Phone No:	713-946-8920	Fax No:	713-946-8487	
SECTION 3: Gener	ral Description of th	e Waste		
Name of Waste: No	n-Hazardous Waste	Water		
<del></del> -				
Detailed Description	of Process General	ting Waste: <u>Nuval parts was</u>	her cleaner and v	vater mixture used in surface preparation for
A phosphate process.				
	m== .		_	
Physical State:	🕰 Liquid	Sludge L	Powder	
	☐ Solid	☐ Filter Cake [	☐ Combination	
			•	
Color: <u>Varies</u>	(	Odor: <u>Mild</u>		
· ·				
Specific Gravity (wa	ter=1): <u>9-1-2</u>	Density: 8.3 lbs/gal		
<u>.                                      </u>		50		and the second second
Løyers:	Single-phase	Multi-phase		
Container Type:	Drum	☐ Tote 🔀	Truck	Other (explain)
Container Size:			5000 an	
Container Size;				· · · · · · · · · · · · · · · · · · ·
				huls of maderial
Frequency:	Weekly	Monthly	Quarterly	Yearly
Number of Units (co	ntainers): <u>1</u>	Other:	·	
Texas State Waste C		0202051		
Proper U.S. DOT St	ipping Name:	Non-RCRA, Non-DO	T Regulated Wa	sie Water
Class: Na	UN/N		PG: Na	RQ:
	5.074			ny.
Flash Point	l nH	Populina CulCd	Basel : m	
>150	pH NA	Reactive Sulfides	Reactive Cy	(
<u> </u>	14//	Omg/I	Omg/l	0-1%

1

713 676 1676 P.O.1

CES Environmental Service

FEB-02-2006 14:45

Oil&Grease	TOC	Zinc	Copper	Nickel
>100mg/I	NAmg/I	<u>O</u> mg/I	Omg/I	OmeA
1 - 10011121	DOME''	<u> </u>		

### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or ‰
Water	83-	%
Nuvat Parts Washer (Neutralized)	15-25	%
Salts	0-2	%

# SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, picase explain. Standard PPE

# SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

#### SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None

# SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	_
TCLP Volatiles:	X
TCLP Semi-Volatiles:	_
Descriptor	

Corresivity: Ignitability:

# SECTION 9: Generator's Certification

The information contained herein is based on generator knowledge and/or ganalytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Hough Itankarich	Date: 01/31/06
Printed Name/Title: Joe Stankovigh/ VP	

CESTISE ONLY (DO NOT WOLTE IN THIS SUACE)	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Robball Thay	Additional Information:
Date: 2-3-06 Approved Rejected	
Approval Number: 1361	

-
~

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CF	<u>K 437</u>			
ls t	this material a wastewater or wastewater sludge? 🔼 YES	□ NO		. <del></del>	
11.	Yes', complete this section.		:		
PL	EASE CHECK THE APPROPRIATE BOX. IF NO API	PROPRIATE CA	TEGORY, G	O TO THE N	NEXT PAGE.
<u>Meta</u>	ls Subcutegory: Subpart A				
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incincration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from Vibratory deburring wastewater		phosphating	operations	
L	Alkaline and acid solutions used to clean metal parts or c	quipment			
Oils :	<u>Subculegory</u> : Subpart <b>B</b>				·
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Coolants Contaminated groundwater clean-up from petroleum sour Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	rces			
<u>Organ</u>	nicx Subcategory: Subpart C	ey (* <sup>C</sup> e			
	Landfill leachate Contaminated groundwater clean-up from non-petroleum Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	sources		••	

3

TOTAL P. 04

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Спгоп	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L r: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
	<b>₽</b> □	Metals Subcategory
	m	Cile Subcategory

# SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Orease. CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

713 676 1676 P.04

CES Environmental Service

EEB-02-2006 14:42

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) 471-0951 / (281) 471-56	(800) 880-0156 821 / After Hours: (281) 844-230	Phone: 713-	750	176	150	<b>S</b>		Phone	e:	$\leq$	201	4							Cooler Tern				Shown?	
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(LAB NO.)	SAMPLE 10.	SAMPLED	' MATRIX	<u>©</u>	втех	TPH (TX1005)	泛	PAH	VOLATILES	SEMI-VOLS	RCRA 8 METALS	2		$\perp$										
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nquished By:	(	Company:				e/Time:				Rece	eived E	Зу:							Company:					
	S:Soil W:Water WW:Waste Wate	er SI reludea SO solid	SE'.Sar		عدد ا	M	atrix	Key	20.0	i			·		n				^ ~··			<del></del>		
·	P:Plastic G:Glass V:VOA Glass	Type Key	JE:OEU	men -	=: Lea	Criate	<u> </u>	Vipe							<sup>3</sup> Pr	eser	vativ	ve K	(ev	<b></b>				
	1.1 lastic C. diass Y. VOA diass	O:Omer	<u></u>				<u></u>		1.30	e(<41	() Z:	10L 3	):H2S(	<u> </u>	HMO3	3 5:N	aQH	O:NS	aOH+Zn Acet	ate /:Na2	.S2O3 8	:None		



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rat <u>or I</u> nformation					
Company:	Houston Plating					
Address:	1315 Georgia					
City, State, Zip:	South Houston, T.	X 77587				
Contact:	Joe Stankovich			Title:	VP	
Phone No:	713-946-8920			Fax No:	713-946-8	487
24/hr Phone:	713-946-8920	* ***		-		
U.S. EPA I.D. No:	TXD982556391			-		
State I.D.	38553	· · · · · · · · · · · · · · · · · · ·		SIC Code:		
SECTION 2: Billin Company:	g Information –  Houston Plating	Same as Above		•		
Address:	PO Box 418					
-		77507	<del></del>			
City, State, Zip:	South Houston, TX	11381	TP: / L	- UD		
Contact:	Attn: Joe		Title:	VP		
Phone No:	713-946-8920		Fax No:	713-946-8487	·	
SECTION 3: General North No.						
Name of Waste: No	<u>n-Hazardous Waste '</u>	<u>Water</u>				
Detailed Description A phosphate process.		ting Waste: <u>Nuv</u>	at parts wash	er cleaner and v	vater mixtur	e used in surface preparation for
Physical State:	☑ Liquid ☐ Solid	☐ Sludge ☐ Filter Ca	ke [	Powder Combination	ı	
Color: Varies	(	Odor: <u>Mild</u>				
Specific Gravity (wa	iter=1): <u>.9-1.2</u>	<b>Density:</b> <u>8.3</u>	lbs/gal			
Layers:	Single-phase	🛛 Mul	lti-phase			
Container Type: Container Size:	Drum	Tote	<b>\times</b>	Truck 5000 Caa	1	Other (explain)
E	<u> </u>					•
Frequency:	☐ Weekly	☐ Monthly		Quarterly		Yearly
Number of Units (co		Other: _				
Texas State Waste C	Code No: 00	202051				
Proper U.S. DOT Sh	ipping Name:	Non-RCR	A, Non-DO	Regulated Was	ste Water	
Class: Na	UN/N	A: Na		PG: Na		RQ:
Flash Point	pH NA	Reactive Sulfid	les	Reactive Cy	anides	Solids

Oil&Grease	TOC	Zinc	1 2 2			
<u>&gt;100</u> mg/l	NAmg/I	<u>0</u> mg/l	<u>0</u> mg/l		<u>O</u> mg/l	
SECTION 4: Physic	al and Chemical Data					
	COMPONENTS T	ARLE		Concer	itration	Units
The w	aste consists of the following				acceptable	or %
Water			8	33-		%
Nuvat Parts Washer	(Neutralized)			5-25		%
Salts			0	)-2		%
				<u>.</u>	·	
SECTION 5: Safety	Related Data					
	s waste requires the use	of special protective	equipment, p	lease explain		
	ed Supporting Docume	nts				
	otes, data, and/or analy	<del></del>	rm as part of	the waste ap	proval packag	e.
SECTION 7: Incomp	<u>patibilities</u>					
Please list all incompa	atibilities (if any):					
SECTION 8: Genera	ntor's Knowledge Docu	mentation				
Laboratory analysis ogenerator knowledge	of the hazardous waste :	characteristics, listed	below, WAS	NOT PERF	ORMED based	l upon the following
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles Reactivity: Corrosivity: Ignitability:	<u>X</u> :					
SECTION 9: Genera	tor's Certification					
attached description is omissions of composit	ined herein is based on [s complete and accurate ion properties exist and the of all materials describes]	to the best of my kn that all known or susp	owledge and	ability to de	termine that no	deliberate or willfu
Authorized Signature	:: 🗡			Date: <u>(</u>	01/31/06	
Printed Name/Title: ,						
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)			-		
Compliance Officer:			Additional Info	ormation:		
Date:	Approve	d Rejected _				

Approval Number:

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? 🔀 YES 🔲 NO
lf	'Yes', complete this section.
Pl	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
<u>Met</u>	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nnics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excessivalues listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
	A	Metals Subcategory
		Oils Subcategory

# **SECTION 11: Additional Instructions**

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Most Recent

A&B Job ID 77068

1315 A Georgia EST RESULTS

Date: 1/11/2006

GLIENT: Houston Plating PROJECT: Neutralized NuVst Parts Wash Liquid Clea ATTN: Joseph Stankovich

Client Sample ID:

Neutralized NuVat Parts Wash Cleaner Liq

Job Sample ID: 77068-01

Date Collected:

12/29/2005 6:30

Sample Matrix: Sludge

Time Collected: Sample Loc./Other Info:

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	a	Date	Time	Anal
SW-846 9045							]			
	рH	9.52	pH units	1				12/30	10:00	D
044 040 7.0			(	1	(		}			l
SW-846 7.3	Reactivity				25	1	j	12/30	11:00	D
	Reactive Cyanide	BRL	mg/Kg	1	25 25		•	12/30		
	Reactive Sulfide	BRL	mg/Kg	1	25	1	- 1	12/30	11.00	1 5
SW-846 1010	ignitability		Ì	}	1		- [			ļ
	Flashpoint	>150	} °F	1	1	]	- (	12/30	10:20	ן נ
SW-846 6010B	TCLP Metals	1		}	{		- 1			
	Antimony	BRL	mg/L	l 1	0.1	1 : 1	Ì	01/06	16:08	s
	Arsenic	BRL	mg/L	1	0.1	1.8		01/06	16:08	s
	Barium	BRL	rng/L	1	0.1	100		01/06	16:08	s
	Beryllium	BRL	mg/L	1	0.08	0.08	1	01/06	16:08	s
	Cadmium	BRL	mg/L		0.1	0.5		01/06		s
	Chromium	BRL	mg/L	1	0.1	5		01/06		s
,	Lead	BRL	mg/L	1	0.1	1.5	. 1	01/06		s
	Nickel	BRL	mg/L	1	0.1	70	- i	01/06	-	s
	Selenium	BRL	mg/L	1	0.5	1		01/06		ls
	Silver	BRL	mg/L	1	0.1	5		01/06		s
SW-846 7470A	TCLP Mercury						- 1			
344-040 14104	Mercury	BRL	mg/L	1	0.002	0.2		01/06	14:30	s
TX 1005	Total Petroleum Hydrocarbons	3.12	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			\				
17 1003	C6-C12	18.7	mg/Kg	0.86	9.804			12/30	12.48	l l
	>C12-C28	813.9	mg/Kg	0.86	11.44		ı	12/30		N
	>C28-C35	1101.9	mg/Kg	0.86	23.05			12/30		1
	Total C6-C35	1934.5	mg/Kg	1.00	20.03	.[		12/30		
	and the second of the second o	1(934.9	uiging	1	1.1714. 1		1		12.70	1 '
SW-846 8021B	BTEX		Language Control		1000	A STATE OF THE STA	- 1		10 40	2.5
	Benzene Benzene	BRL	mg/Kg	2	0.02	27 54	- 1	12/30	16:59	F
	Toluene The high breaking the season is the built	0.224	mg/Kg	10	0.1		- [	12/30		P
	Ethylbenzene	BRL	mg/Kg	2	0.02	Zartski kilini Natao	1	12/30		F
	Xylenes	BRL	mg/Kg	2	0.06			12/30	16:59	F
SW-846 8270C	TCLP Semivolatiles			1	a territoria		- 1	· · · · •		
	1,4-Dichlorobenzerie	BAL	mg/L	2	0.1	7.5	i	01/06	12:02	l ı
	2,4-Dinitrotoluene	BRL	mg/L	2	0.05	0.13	- }	01/06	12:02	۱,
	Hexachlorobenzene	BRL	mg/L	2	0.05	0.13	- 1	01/06		
4 2	Hexachlorobutadiene	BRL	mg/L	2	0.1	0.4	- 1	01/06		
1 1 1 1 1	Hexachloroethane	BRL	mg/L	2	0.1	3		01/06		1
the second	2-Methylphenol	BRL	mg/L	2	0.1	200		01/06		,
	3- & 4-Methylphenois	BRL	mg/L	2	0.1	200		01/06		
	Nitrobenzene	BRL	mg/L	2	0.1	2		01/06		
	Pentachlorophenol	BRL	mg/L	2	1	100		01/06		
	Pyridine: Parish 128, 2013	BRL	mg/L	2	1	4		01/06		1
	2,4,5-Trichlorophenol	BRL	mg/L	2	0.1	400		01/06		
	2,4,6-Trichlorophenol	1 ~ ~	1 1419/2	1 -	1 0.1	1 400	- 1	01/00	14.04	, ,

<sup>\*\*</sup> BRL - Below Reporting Limit

Jan 31 2006 9:39AM



A & B Environmental Services, Inc. 10100 East Freeway, Suite 100 Houston, Texas 77029

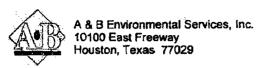
# SAMPLE SURROGATE RECOVERY REPORT

77068 Job ID:

Parameter	Method	GAS#	Spike Added	Spike Result	D.F.	:%Rec	% Rec CLIMIT	Analys DateTi
Chlorooctadecane	TX 1005	3386-33-2	100	N/A	0.86		50-149	12/30/05
Tetrafluorotoluene (Surrogate)	SW-846 8021B	5230-78-4	100	82	2	82	75-125	12/30/05
2-Fluorophenof (Surrogate)	SW-846 8270C	367-12-4	100	65.66	2	65.7	20-115	1/6/06 12:
Phenol-d6 (Surrogate)	SW-846 8270C	13127-88-3	100	40.59	2	40.6	15-120	
Nitrobenzene-d5 (Surrogate)	SW-846 8270C	4165-60-0	100	114.85	2	115	20-120	
2-Fluorobiphenyl (Surrogate)	SW-846 8270C	321-60-8	100	101.27	2	101	30-115	
2,4,6-Tribromophenol (Surrogate)	SW-846 8270C	118-79-6	100	97.24	2	97.2	10-120	
Terphenyl-d14 (Surrogate)	SW-846 8270C	1718-51-0	100	49.2	2	49.2	30-140	

A management

S5-Target Compounds caused elevation of baseline. Surrogate is not available.



Job ID: 77068

QCType: Duplicate:	Method	QCSapl Result	Dup Result	RPD	Ci imite		E
рН	SW-846 9045	7.02	7.02	0	<20		C
Reactive Cyanide	SW-846 7.3	BRL	BRL	0	<20	# v.e. ·	Q
Reactive Sulfide	SW-846 7.3	BRL	8RL	0	<20		C
Flashpoint	SW-846 1010	>150	>150	0	<20		(

QCType: LCS and LCSD										
Parameter	Method	Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLImits	Q
рН	SW-846 9045	4	4.00		100			<20	80-120	С
Reactive Cyanide	SW-846 7.3	0.5	0.25	0.27	50	54	7.7	<20	40-120	Q
Reactive Suffide	SW-846 7.3	960	900	960	93.8	100	6.5	<20	40-120	Q
Flashpoint	SW-846 1010	83	83	82	100	99	1.2	<20	75-125	c
Antimony	SW-846 6010B	1	0.94	0.95	94	95	1.1	<25	80-120	C
Arsenic	SW-845 6010B	1	0.98	0.98	98	98	0.0	<25	80-120	С
Barium	SW-846 6010B	1	0.90	0.92	90	92	2.2	<25	80-120	C
Beryllium	SW-846 6010B	1	0.93	0.95	93	95	2.1	<25	80-120	C
Cadmium	SW-846 6010B	1	0.94	0.95	94	95	1.1	<25	80-120	C
Chromium	SW-846 6010B	1	0.92	0.93	92	93	1.1	<25	80-120	C
Lead	SW-846 6010B	1	0.91	0.92	91	92	1.1	<25	80-120	C
Nickel	SW-846 6010B	1	0.90	0.92	90	92	2.2	<25	80-120	c
Selenium	SW-846 6010B	1	0.99	1.00	99	100	1.0	<25	80-120	С
Silver	SW-846 6010B	İ	0.95	0.96	95	96	1.0	<25	80-120	Ç
Mercury	SW-846 7470A	0.005	0.0054		108			<35	71-143	a

\*\* BRL-Below Reporting Limit

13-5-5

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A & B Environmental Services, Inc. 10100 East Freeway Houston, Texas 77029

### QUALITY CONTROL CERTIFICATE

Job ID: 77068

QCType: LCS and LCSD										
Parameter	Method	Spike Added	LCS Result	LCSD Result	LCS Rec %	LCSD Rec %	RPD	%RPD CUmits	%Rec CLimits	Q
C6-C12	TX 1005	500	515.3	524.6	103	105	1.8	<25	75-125	q12
>C12-C28	TX 1005	500	599.5	543.9	120	109	9.7	<25	77-130	q12
>C28-C35	TX 1005	500	487.1	480.2	97.4	96	1.4	<25	70-126	q120
Benzene	SW-846 8021B	0.1	0.098	0.086	98	86	13.0	<25	71-126	9
Toluene	SW-846 8021B	0.1	0.10	0.087	100	87	13.9	<25	74-126	q
Ethylbenzene	SW-846 8021B	0.1	0.110	0.096	110	96	13.6	<25	77-126	q
Xylenes	SW-846 8021B	0.3	0.317	0.278	106	93	13.1	<25	74-125	q
Pyridine	SW-846 8270C	0.25	0.0673	0.0695	26.9	28	3.2	<35	6-65	q
2-Methylphenol	SW-846 8270C	0.25	0.1238	0.1311	49.5	52	5.7	<35	20-92	q
Hexachloroethane	SW-846 8270C	0.25	0.1316	0.1368	52.6	55	3.9	<35	26-98	q
3- & 4-Methylphenols	SW-846 8270C	0.5	0.2056	0.2237	41.1	45	8.4	<35	20-85	q
Nitrobenzene	SW-846 8270C	0.25	0.1919	0.1754	76.8	70	9.0	<35	31-102	q
Hexachlorobutadiene	SW-846 8270C	0.25	0.1227	0.1202	49.1	48	2.1	<35	26-89	q.
2,4,6-Trichlorophenal	SW-846 8270C	0.25	0.1501	0.1655	60.0	68	9.8	<35	24-104	g
2,4,5-Trichlorophenol	SW-846 8270C	0.25	0.1422	0.1443	56.9	58	1.5	<35	30-107	q
Hexachlorobenzene	SW-846 8270C	0.25	0.1737	0.1823	69.5	73	4.8	<35	34-130	q
1,4-Dichlorobenzene	SW-846 8270C	0.25	0.1297	0.1331	51.9	53	2.6	<35	28-99	, q
2,4-Dinitrotoluene	SW-846 8270C	0.25	0.2052	0.2107	82.1	84	2.6	<35	25-1-12	q

QCType: MS and MSD	QCSar	l Spike MS	MSD MS	MSD	RPD %Rec
Parameter Antimony		Added Result			CLImits CLimits Q <25 50-125 (
Arsenic	SW-846 60108 BRL	2 1.31	1.34 66	67 2.3	<25 50-125 C

\*\* BRL-Below Reporting Limit

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A & B Environmental Services, Inc. 10100 East Freeway Houston, Texas 77029

# **QUALITY CONTROL CERTIFICATE**

Job ID: 77068

QCType: MS and MSD											
Parameter:	Method	QCSapi Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	RPD CLimits	%Rec CLimits	Q
Barium	SW-846 6010B	BRL	2	1.26	1.24	63	62	1.6	<25	50-125	7
Beryllium	SW-846 6010B	BRL	2	1.23	1.25	62	63	1.6	<25	50-125	(
Cadmium	SW-846 6010B	BRL	2	1.26	1.28	63	64	1.6	<25	50-125	(
Chromium	SW-846 6010B	BRL	2	1.24	1.25	62	63	0.8	<25	50-125	(
Lead	SW-846 6010B	BRL	2	1.21	1.23	61	62	1.6	<25	50-125	(
Nickel	SW-846 6010B	BRL	2	1.29	1.30	65	65	0.8	<25	<b>50</b> -1 <b>2</b> 5	(
Selenium	SW-846 6010B	BRL	2	1.21	1.27	61	64	4.8	<25	50-125	C
Silver	SW-846 6010B	BRL	2	1.28	1.30	64	65	1.6	<25	50-125	C
Mercury	SW-846 7470A	BRL	0.01	0.0114	0.0115	114	115	0.9	<35	61-175	С

Parameter	Method	CAS#	Result	Units	D.F.	Rpt Limit	QCBatch ID
Reactive Cyanide	SW-846 7.3		BRL	mg/Kg	1.	25	Q123005rcyn
Reactive Sulfide	SW-846 7.3		BRL	mg/Kg	1	25	Q123005rsul
Antimony	SW-846 6010B	7440-36-0	BRL	mg/L	1	0.1	Q010606mt
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1.,	.0.1	Q010606mt
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q010606mt
leryllium	SW-846 6010B	7440-41-7	BRL	rng/L	1	0.08	Q010606mt
admium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q010606mt
hromium	SW-846 6010B	7440-47-3	BRL	mg/L	1 1	0.1	Q010606mt
ead	SW-646 6010B	7439-92-1	BRL	mg/L	1	0.1	Q010606mt
lickel	SW-846 6010B	7440-02-0	BRL	mg/L	1	0.1	Q010606mt
elenium	SW-846 6010B	7782-49-2	BRL	mg/L	4	0.5	Q010606mt
ilver	SW-846 6010B	7440-22-4	BRL	mg/L	1.1	0.1	Q010606mt
lercury	SW-846 7470A	7439-97-6	BRL	ing/L	1	0.002	Q010606hgt
C6-C12	TX 1005	s. ter es	BRL	mg/Kg	1 - T	11.4	q123005tph1005c

<sup>\*\*\*</sup> BRL-Below Reporting Limit

fil.

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à & B Environmental Services, Inc. 10100 East Freeway Houston, Texas 77029

# **QUALITY CONTROL CERTIFICATE**

Job ID: 77068

QCType: Method Blank								
Parameter	Method	CAS#	Result	Units	D.F.	Rpt Llmi	COCBatch ID	
>C12-C28	TX 1005	411,411 4,186 4 4	BRL	mg/Kg	1	13.3	q123005tph1005c	Ti
>C28-C35	TX 1005		BRL	mg/Kg	1	26.8	q123005tph1005c	Te
Benzene	SW-846 8021B	71-43-2	BRL	mg/Kg	1.	0.01	q123005bts	
Toluene	SW-846 8021B	108-88-3	BRL	mg/Kg	1	0.01	q123005bts	
Ethylbenzene	SW-846 8021B	100-41-4	BRL	mg/Kg	1	0.01	q123005bts	l
Xylenes	SW-846 8021B	1330-20-7	BRL	mg/Kg	1	0.03	q123005bts	[
1,4-Dichlorobenzene	SW-846 8270C	106-46-7	BRL	mg/L	1	0.05	q010506sv4	
2,4-Dinitrotoluene	SW-846 8270C	121-14-2	BRL	mg/L	1	0.025	q010506sv4	
Hexachlorobenzene	SW-846 8270C	118-74-1	BRL	mg/L	1	0.025	q010506sv4	
Hexachlorobutadiene	SW-846 8270C	87-68-3	BRL	mg/L	1	0.05	q010506sv4	
Hexachloroethane	SW-846 8270C	67-72-1	BRL	mg/L	1	0.05	q010506sv4	
2-Methylphenol	SW-846 8270C	95-48-7	BRL	mg/L	1	0.05	q010506sv4	
3- & 4-Methylphenois	SW-846 8270C		BRL	mg/L	1	0.05	q010506sv4	
Nitrobenzene	SW-846 8270C	98-95-3	BRL	mg/L	1	0.05	q010506sv4	
Pentachiorophenol	SW-846 8270C	87-86-5	BRL	mg/L	1	0.5	g010506sv4	
Pyridine	SW-846 8270C	110-86-1	BRL	mg/L	1	0.5	q010506sv4	
2,4,5-Trichlorophenol	SW-846 8270C	95-95-4	BRL	mg/L	1	0.05	q010506sv4	
2,4,6-Trichlorophenol	SW-846 8270C	86-06-2	BRL	mg/L	1	0.05	q010506sv4	

\*\* BRL-Below Reporting Limit

Page 4 of 4

Chain of Custody

Page

EPAHO112001006

A & B Labs

Chain of Custody

A & B Labs

EPAHO112001008

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A & B Labs			. (	Ch	aii	n e	of o	$C\iota$	us:	to	dy	).	- 16. - 18.						F	age	<u>.3</u>	Q	ո <u>լ Հ</u>
10100 East Fwy. (I-10), Ste. 100 Houston, TX 77029	1. Comp	House	REP	ORŢ	TO:	,	4	ce	2.			1 4 4 4			E 70:		LL	c 3.	PO#	4	5	87	>
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713-453-6091 Fax	Sou	th Hou	25 Tan	J,T,	X 2 7	252	<b>87</b>									775		7			Q Nee		
ablabs.com	Conte	a Tese	ph:	<u>Sta</u>	NK	رام	110	M	Cont	acty	40	601	nt:	Po	49	61e			1 Day*				
A&B JOB ID	Phone	e: 715	3 94	16	892	20		F	Phor	16	1	713	39	46	89	20		_0	2 Days	٠.			7.1
5. Project #	Fax: C	$\mathbf{z}$ , $\mathbf{Z}$	3 99	46	732	26		F	Fax	<b>a</b>	,_	213	. 2	46	73	26			3 Days				
	E-mai	1:010056	hou	sto	vla	Ling	y. G	344	E-ma	il: U	<u>.</u>		10			and a	<u> </u>		Days		* Surci	narge a	applies
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7. Special Instructions (PLEASE PRINT)USE	TCE	Q+E PA	oppr						FO	~	9			87/	/ /	/ /	/ ,	/ ,	/ ,	/ ,	/ /		
UTRRP Limits only OTRRP Rpt. Package	See Artse	chdWast v	Clo	551	fi	<u>Co</u> -	Łω	n			Containers			£ /									
8 Sampler's Name & Company (PLEASE PR	INT)	Sampler	's Signal	re &	Date				105	; <del>-</del>	5			/ L/	//	//	//		//	//	/		·
Houston Plating Locatings, L. C. UBUSE 9. Sample ID and Description		10. Ser	npline	111	1 12		Ma	atrix			ź	•	% (J.	<b>Y</b>	/	/-			1				*
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*Containers: VOA - 40 ml visi A/G - Amber/Glass	1 Libre	1		*Prese	rvatives:	. C-0	Cool		H - H(	24	N	- HNO		- H,SO	<u>/4-73 3</u>			,					
4 carll oz - grass wide mouth PJO - Plastic/other						OH-	- NaOt	H 1	T - Na	,S,O,	X	- Other		27			}-	A	<b>АВ сэ</b> п	not acc	cept vert	hal cha	11008
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O'C	_ rycn iA	~ <u> </u>	<sup>r</sup>	W							100						4.						30 days

713 946 7326

TO:713 676 1676

P.1/2

DEC-11-2006 09:17

CES Environmental Svcs.

7137488664

P.02

713-946-8497

## CES ENVIRONMENTAL SERVICES, INC.

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #:

1361

Waste Generator:

Houston Plating

Waste Stream Name:

Non-hazardous Wastewater

Expiration Date:

1/30/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Lorat 12/12/06

ing Coatings, LLC

June 08, 2006

Houston Plating and Coatings 1315 Georgia South Houston, TX 77011 Phone: (713) 946-8920

Re: Profile #: 1361

To Whom It May Concern:

Jaseph Hinkwich

This letter shall serve as notice that the proper waste code # for the above referenced profile is 00202051. 00212051 Used DN 30 parts wash

If you have any questions, please do not hesitate to call me at the above listed number.

Thank you,

EPAHO112001010



# **Sample Condition Checklist**

	Date	•	1/	12	12	00	É
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Lab	ID#: 7	7068		Da	te Recei	ved ;	12/30/2005		Time f	Received	: 8:30	)AM
Com	ipany N	ame: Ho	ouston P	lating Con	npany, LL	C						
Tem	peratur	e: 4°C		Sa	mple pH	: 7 (Me	etals)					
						Chec	* Points					
Secretario de Sistema de Sistema de la composição Sistema de la composi	A Transport	1977 gan da 1237 distribuit. 1988 di 1988 januari 1988									Yes	No.
1.	Coole	Seal pre	sent an	nd signed							x	
2.	Sampl	e(s) in a	cooler.								×	
3.	If yes,	ice in co	oler								×	
4.	Sampl	e(s) rece	ived wit	h chain-c	f-custod	y					×	
5.	C-O-C	signed a	ind date	ed.							×	
6.	Sampl	e(s) rece	ived wit	h signed	sample o	ustody	seal.				×	
7.	Sampl	e contain	ers arri	ved intac	(If No o	ommer	nt)				×	
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
			a		Ø							0
9.	Sampl	es were (	eceive	in appro	priate co	ntaine	r( <b>s</b> )	~	The state of the		x	
10.	Ali san	nples wer	e tagge	d or labe	led.						×	
11.	Sample	e ID labe	ls matcl	h C-O-C I	D's.						×	
12.	Bottle	count on	C-O-C	matches	bottles fo	ound.			Salata de la companya de la companya de la companya de la companya de la companya de la companya de la company La companya de la companya de		×	
13.	Sample	e volume	ls suffic	cient for e	nalyses	reques	ted.				×	
14.	Sample	es were r	eceived	1 within th	e hold ti	me.					×	
15.	VOAV	ials comp	elety fil	led.							x	
16.	Sample	e accepte	id.				**:			Z. 1	×	
Com	ments:	include a	ctions t	aken to r	esolve di	screpa	ncies/proble	m:	DOM:		4 A	
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<b>~ece</b>	wed by	: Storre	5		el di di	Che	ck in by/date	: Storre:	/ 12/30/2	005	$P(x_1,\dots,x_n) = 1$	12.

Phone: 713-453-6060

www.ablabs.com

Atten: Dan

CES Environmental Services, Inc.

4904 Griggs Rd.

Houston, TX 77021 Phone: (713) 676-1460

Fax: (713 676-1676

# Fax Transmittal

Total N	lumber of Pages (In	cluding cover shee	t): _	3.	÷
Date:	1/26/06				
To:	Goorge				
	213-799	- 9483		•	
From:	Dan Bowman CES Environment Mobile Phone: (7	tal Services, Inc. 13) 854-6150	•		
Notes;	Greorge,				
	Please	· Sign and	date	Pg 2	13
	and fux	back to	ne.	Quote	assumes
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				*.	

The technical information provided by the manufacturer for Pr ychlorinated Biphenyls (PCB's): all materials in this process provides the chemical makeup of the material to the nearest 0.01% by weight. No polychlorinated biphenyls have been listed on this information and therefore are in concentrations less than 0.01% by weight. Therefore, this material has concentrations of PCB's less than the regulatory limits specified under 40 CFR 761 and 329 IAC 4.

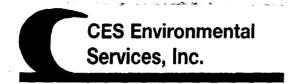
Holmes Road

A: pestos: The waste stream generated does not come into contact with any materials containing asbestos.

Fr e Liquids: The process waste generated is solidified and/or dried before disposal at the landfill and would pass a paint filter test.

Special Waste Classification: This material is classified as a special waste since more than 220 pounds per month are generated from this waste stream. A Special Waste Acceptance Application has been filed at a Republic Landfill.

This information is, to the best of my knowledge, true, accurate and complete.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear Joe Stankovich

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1361

Generator: Houston Plating

Address: 1315 Georgia, PO Box 418

South Houston, TX 77587

# Waste Information

Name of Waste: Non-Hazardous Wastewater

**TCEQ Waste Code #:** 00202051

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Nuvat parts washer cleaaner and water mixture usxed in surface preparation for a phosph

process.

Color: Varies

Odor: Mild

pH: na

Physical State: Liquid Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Job ID: 95441



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

#### Client Project ID:

#### Not Neutralized Combination Cleaner & Electo Clean

Report To:

Client Name:

Houston Plating Company, LLC

Joseph Stankovich

P.O. Box 418

Client Address: City, State, Zip:

South Houston, Texas, 77587

P.O.# .: 247745

Sample Collected By: Joseph Stankovich

Date Collected: 12/20/07

A&B Labs has analyzed the following samples...

Attn:

Client Sample ID

Matrix

A&B Sample ID

Not Neutralized Combination Cleaner &

Liquid

95441.01

Electo Cleaner-1315 Georgia-Container

#1,#2 & #3

Nutrate Parts Waster

Profile 1361

Newest ANALYTICAL
ON Combination Cleaner 00202051

Released By:

Kathy Danford

Title:

Project Manager

Date:

01/03/2008



This Laboratory is NELAP (T104704213-07-TX) accredited.

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown refate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided

Page 1 of 1

Date Received: 12/21/2007 14:00

## LABORATORY TEST RESULTS

Job ID :

95441

Date 1/3/2008

Client Name: Houston Plating Company, LLC

Project ID:

Not Neutralized Combination Cleaner & Electo Clean

Attn: Joseph Stankovich

Date Collected:

Client Sample ID: Not Neutralized Combination Cleaner & Electo

Cleaner-1315 Georgia-Container #1, #2 & #3

Job Sample ID: 95441.01

Time Collected:

12/20/07 10:00

Sample Matrix Liquid

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limi	Reg Limi	t Q	Date Time	Analys
SW-846 1010	Ignitability (Flash Point)								THEOLOGIC
	Ignitability	>150	<b>°F</b>	1	gundane va a va a	NOO GAANTII -	g an an and	12/31/07 12:30	KS
W-846 6010C	TCLP Metals			veries of the					
	Antimony	0.102	mg/L	1	0.1	1		12/28/07 13:36	RB
	Arsenic	0.499	mg/L	1	0.1	1.8		12/28/07 13:36	RB
	Barlum	0.469	mg/L	1	0.1	100.0		12/28/07 13:36	RB
	Beryllium	BRL	mg/L	1	0.08	0.08		12/28/07 13:36	RB
	Cadmium	BRL	mg/L	1	0.1	0.5		12/28/07 13:36	RB
	Chromium	0.146	mg/L	1	0.1	5.0		12/28/07 13:36	RB
	Lead	BRL	mg/L	1	0.1	1.5		12/28/07 13:36	RB
	Nickel	BRL.	mg/L	1	0.1	70		12/28/07 13:36	RB
	Selenium	BRL	mg/L	1	0.5	1.0		12/28/07 13:36	RB
	Silver	BRL	mg/L	1	0.1	5.0		12/28/07 13:36	RB
	Vanadium	BRL	mg/L	1	0.1	30		12/28/07 13:36	RB
W-846 7.3						Araga ilingili Maga ilingili Magadanay			
r. (3. Nashira edi Ami	Reactive Cyanide	BRL	mg/L	1	25	eren gur e Bre (Cris)	n: 1., nr.7.181	12/21/07 14:50	KS
W-846 7.3					aran merenakan dalam Janggaran menenggan dari Janggaran menenggan				
	Reactive Sulfide	BRL	mg/L	oliddiil da dolddii <b>1</b>	25	p.m.(\$1)*4.,45(*	27,740.70	12/21/07 14:50	KS
W-846 7470A	TCLP Metals, Mercury	ath dian :					aleth.		Tanah Malampa Tanah Malampa Tanah Malampa
at Olov Trout	Mercury	BRL	mg/L	1	0.002	0.2	semple dij	12/27/07 15:08	RB
W-846 8260B	TCLP VOC		riggidas jau Liggidas jau			North Control			
IN OTO OZUUD	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6	1111511000	12/26/07 18:21	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	1,4-Dichlorobenzene	BRL	mg/L	<u>-</u>	0.15	7.5		12/26/07 18:21	HW
	Benzene	BRL	mg/L	ī	0.13	0.5		12/26/07 18:21	HW
	Carbon tetrachloride	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70		12/26/07 18:21	HW
	Chloroform	BRL	mg/L	1	0.13	6		12/26/07 18:21	HW
	MEK	BRL	mg/L	1	0.13	200		12/26/07 18:21	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7		12/26/07 18:21	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5		12/26/07 18:21	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2		12/26/07 18:21	HW
	1,2-Dichloroethane-d4(surr)	96.9	%	1	70-130			12/26/07 18:21	HW
	Dibromofluoromethane(surr)	4.77	%	1	70-130		S6	12/26/07 18:21	HW
	p-Bromofluorobenzene(surr)	108	%	1	70-130			12/26/07 18:21	HW
	Toluene-d8(surr)	99.6	%	1	70-130			12/26/07 18:21	HW
W-846 8270D	TCLP Semivolatiles		1						- 254
W-070 02/UD	1,4-Dichlorobenzene	BRL	mg/L	4	0.2	7.5	D1	12/27/07 14:22	ML.

### LABORATORY TEST RESULTS

95441

Date 1/3/2008

Client Name: Houston Plating Company, LLC

Attn: Joseph Stankovich

Project ID: Not Neutralized Combination Cleaner & Electo Clean

Client Sample ID: Not Neutralized Combination Cleaner & Electo Cleaner-1315 Georgia-Container #1,#2 & #3

Job Sample ID: 95441.01

Date Collected:

Sample Matrix Liquid

Time Collected: Other Information:

12/20/07 10:00

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles							
	2,4,5-Trichlorophenol	BRL	mg/L	4	0.2	400	12/27/07 14:22	ML
	2,4,6-Trichlorophenol	BRL	mg/L	4	0.2	2	12/27/07 14:22	ML
	2,4-Dinitrotoluene	BRL	mg/L	4	0.2	0.13	12/27/07 14:22	ML
	2-Methylphenol	BRL	mg/L	4	0.2	200	12/27/07 14:22	ML
	3- & 4-Methylphenols	BRL	mg/L	4	0.2	200	12/27/07 14:22	ML
	Hexachlorobenzene	BRL	mg/L	4	0.2	0.13	12/27/07 14:22	ML.
	Hexachlorobutadiene	BRL	mg/L	4	0.2	0.4	12/27/07 14:22	ML
	Hexachloroethane	BRL	mg/L	4	0.2	3	12/27/07 14:22	ML
	Nitrobenzene	BRL	mg/L	4	0.2	2	12/27/07 14:22	ML
	Pentachlorophenol	BRL	mg/L	4	5	100	12/27/07 14:22	ML
	Pyridine	BRL	mg/L	4	0.2	4	12/27/07 14:22	ML
	2,4,6-Tribromophenol(surr)	26	%	4	10-120		12/27/07 14:22	ML
	2-Fluorobiphenyl(surr)	40.7	%	4	30-115		12/27/07 14:22	ML
	2-Fluorophenol(surr)	37.4	%	4	15-111		12/27/07 14:22	ML
	Nitrobenzene-d5(surr)	41.6	%	4	20-120		12/27/07 14:22	ML
	Phenol-d6(surr)	37.5	%	4	15-120		12/27/07 14:22	ML
	p-Terphenyl-d14(surr)	43.2	%	4	18-137		12/27/07 14:22	ML
W-846 9040C	Corrosivity, pH				det Symmetri Albert Are Standard Gallery (1997) Transport Arthur (1997)			
tagagaran barta badak	p <b>H</b>	13.15	s.u.	re traum, erstlati	atota Yeara daada d	e em emilione di s	12/21/07 15:30	KS
X 1005	Total Petroleum Hydrocarbons			Kaluga	alas usaktara. Kaj tarasaktar			
en en et a tata fili i	C6-C12	BRL	mg/L	10	13.2		12/26/07 18:02	HK
	>C12-C28	241	mg/L	10	37.1		12/26/07 18:02	HK
	>C28-C35	286	mg/L	10	23		12/26/07 18:02	HK
	Total C6-C35	527	mg/L	10			12/26/07 18:02	НК
	1-Chlorooctane(surr)	N/A	%	10	62-121		54 12/26/07 18:02	НК
	Chlorooctadecane(surr)	N/A	%	10	62-121		S4 12/26/07 18:02	НК

**Job ID**: 95441

Date:

1/3/2008

Analysis :

Method:

SW-846 7.3

Reporting Units: mg/L

QC Batch ID : Qb07122116

Created Date: 12/21/07

Created By : Ksudha

Samples in This QC Batch: 95441.01

Sample Preparation: PB07122617

Prep Method: SW-846 7.3

Prep Date: 12/21/07 14:45 Prep By:

Ksudha

QC Type: Method Blank Parameter: CAS #	Result Uni	ts D.E. RotLimit	Qual
Reactive Sulfide	BRL mg/	/L 1 25	

The state of the s		to the factories are built of 1979,
QC Type: Duplicate		mmit are a selection of
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In the control of the		American 1 (1971)
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OC Sample TD: 05256 01		
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The control of the co	ODD)	3 Morro of the charles and
		The first of the first and the standing of the
Landing to the state of the sta	e RPD	artistic the trade by the con-
Dorametor Doci ilk	Unite RPP Ctrll Imit	ALL CONTRACTOR
raiantele Result Result	UIRS - KPD - CUILINIL	- Uudi I
the transfer of the second sec	11 1 1 Michigan an approximate the second se	
D C-IE-I DDI DDI	10	
Reactive Sulfide BRL BRL	20 : : : : : : : : : : : : : : : : : : :	
	. [	1000

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QC Type: LCS and LCSI	M. Heliconiya.			5.1: Combine recharge i	And which the country	· · · · · · · · · · · · · · · · · · ·		. h. h. jap		r fra faritation (
Land ther		The same production of the same of	Construction of the contract of	-5-5	4 100-10031-140-140-140-140-1	A 6 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	41 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		The state of the s	
Carrier Manager and Control of the Control		programme and state of	eranomi en Çiş		in any trial distance in	merika di Pereka	removement i initiality		a Translatin in Stabilities in Shiil	
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The state of the s		LCS			LCOU	LUSD	1.7. 11.6'1	KPD	%Recovery	i' i deliment
Deenstoher	Cale Haldad	0	0/ Daa	Cult Addad	Result	n/ Doc	חחח	Tail looks	Call Series	Out
Parameter	Spk Audeu	Kesuit	NO KEC	SPK Added	Resuit	:: :90: KEL:::::	RPD	CONDINE	The Current Continues of the Continues o	Qual
Reactive Sulfide	750	640.	OE 2.	750	600	80	6.45	20	40-110	
reactive bunde	730	040	00.3	750	ן טטט ן	- 00	··· 0.45····	- 20	l 40-110 l	
r touch to builde	, 50			,,,,,	] 000	- 00	0.15		100	

Refer to the Definition page for terms.

Job ID: 95441

Date:

1/3/2008

Analysis :

Method:

SW-846 7.3

Reporting Units: mg/L

QC Batch ID : Qb07122118

Created Date: 12/26/07

Created By : Ksudha

Samples in This QC Batch: 95441.01

Sample Preparation: PB07122618

Prep Method: SW-846 7.3

Prep Date: 12/21/07 14:45 Prep By:

Ksudha

QC Type: Method Blank Parameter	CAS#	Result Units	D.F. RotLimit	Qual
Reactive Cyanide		BRL mg/L	1 25	

QC Type: Duplicate	raminerii, K-15	-A III		yadan pada			
20. Jpc, Dapacite					ore or even in production.		
QC Sample ID: 95256.	01		rad befar			a in the state of	
Daman da etterite and a contra transcription of the second section of the section of t	OCSample	Sample			RPD		
Parameter	Result	Result	Units	RPD	CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSE	ics	LCS	ICS	LCSD	1.CSD	iCSD		RPD	%Recovery
Parameter Reactive Cyanide	Spk Added 5.0	Result 2.95	% Rec 59	Spk Added 5.0	Result 2.82	% Rec 56.4	RPD 4.51	CtrlLimit 20	CtrlLimit Qual

Refer to the Definition page for terms,



Job ID: 95441

Date:

1/3/2008

Analysis : Corrosivity, pH

Method : S

SW-846 9040C

Reporting Units : s.u.

. . .

**QC Batch ID**: Qb07122613

Created Date: 12/21/07

Created By: Ksudha

Samples in This QC Batch: 95441.01

QC Type: Duplicate						Part Committee	·	
QC Sample ID: 95441.	01							
Parameter	QCSample Result	Sample Result	Units		KPU			
pH	13.17	13.15	s.u.	0.15	5		 	

_	AFE 41 ALVA ALVA ALVA ALVA ALVA ALVA ALVA ALV				
(	C Type: LCS and LCSD			medielostalojiamietė.	
- 1					**************************************
· [	LCS	LCS LC	CSD LCSD	RPD	
F	Parameter Assigned	Result Ass	igned Result	RPD CtrlLimit	Tolerance Qual
Ī	oH 4.00	3.97			3.95-4.05

Refer to the Definition page for terms.



Job ID: 95441

Date:

1/3/2008

Analysis : TCLP VOC

Method:

SW-846 8260B

Reporting Units: mg/L

QC Batch ID : Qb07122701

Created Date: 12/26/07

Created By: Whuimei

Samples in This QC Batch: 95441.01

Prep Method: SW-846 5030C

Prep Date: 12/26/07 15:00 Prep By:

Whuimei

Sample Preparation: PB07122701

TCLP Prep: PB07122616

Prep Method: SW-846 1311

Prep Date: 12/26/07 15:00 Prep By:

Bstone

QC Type: Method Blank				A SEED OF STREET OF STREET		
Parameter	CAS#	Result	Units	D.F.	RptLimit	Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13	
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13	
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15	
Benzene	71-43-2	BRL	mg/L	1	0.13	
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13	
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15	
Chloroform	67-66-3	BRL	mg/L	1	0.13	
MEK	78-93-3	BRL	mg/L	1	0.13	
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16	
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13	I kalanda anga 79 ki⊞kEH
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1	

QC Type: LCS and LCSI			a, distribution con play republic in t					.e. dvengeree 2150 betek	Table Interest Land to the state of the stat
					i i con			.::1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	A/D-1
Parameter	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit Qual
1,1-Dichloroethylene	0.500	0.526	105	0.500	0.503	101	4.47	25	70-130
Benzene	0.500	0.524	105	0.500	0.521	104	0.57	25	70-130
Chlorobenzene	0.500	0.486	97.2	0.500	0,481	96.2	1,03	25	70-130
MEK	0.500	0.581	116	0,500	0,487	97.4	17.6	25	70-130
Trichloroethylene	0.500	0.520	104	0,500	0.518	104	0,38	25	70-130

QC Type: MS and MSD		The stands have been a	and the contract of the contract of								
QC Sample ID: 95441.	01		ilalidə (V. Filmilə)								
Parameter		MS Spk Added	and a second distance	MS % Rec		MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec	Oual
1,1-Dichloroethylene	BRL	0.500	0.953	191	<b>Spit 7 (0000</b>				Cultum	70-130	M1
Benzene	BRL	0.500	0.532	106						70-130	
Chlorobenzene	BRL	0,500	0.500	100						70-130	
MEK	BRL	0.500	0.950	190		l		. · · · .	. : .	70-130	М1
Trichloroethylene	BRL	0.500	1.12	. 224	1		. *		ļ:	70-130	M1

Refer to the Definition page for terms.

Job ID: 95441

Date:

1/3/2008

Analysis : TCLP Metals, Mercury

Method: SW-846 7470A Reporting Units: mg/L

Created By: Rbairamadgi

Samples in This QC Batch: 95441.01

Digestion:

PB07122715

Prep Method: SW-846 7470A

Prep Date: 12/27/07 08:15 Prep By:

Rbairamadgi

TCLP Prep:

PB07122616

Prep Method: SW-846 1311

Prep Date: 12/26/07 15:00 Prep By:

Bstone

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<ul> <li>Language Laboratory (1) and the general of the control of the component of the control of the cont</li></ul>		The state of the s
OC Type: Method Riank		
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	en management agramment amanagement (1) and and an arrangement of the state of the	The first transfer of the first transfer of
		and the contraction of the contr
Parameter CAS #	Result Units D.F. RptLimi	Onal
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IMercury 1 7430-07-6	1. RPI [ ma// 1 1 1 1 0.002	
incically 1 7 100 57 0	1 10002	

QC Type: LCS and LCSI	)	وأعليه والأرشاب			Lieville de					
The state of the s	ics	ıcs	ıcs	LCSD	ICSD	LCSD		RPD	%Recovery	
Parameter	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
Mercury	0.005	0.0052	104	0,005	0.0052	104	0:	35	71-143	. " "

OC Tymes MS and MSF			a karati edik a	31. 161 - 1 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1	La raire				71.15.11		1.7 H 2.1	
QC Type: MS and MSE QC Sample 1D: 95408	(1 10 164 CTTTTTT 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ker inklijajda Salanavanda				egis, silajai				Sandri Librari di 1924 18 Maria II. da 1984 Nasari Maria da 1984 Nasari da 1984		
	15,				. 1.1.5	SD M		NAME OF THE PARTY			04Dac	
Darameter	Sample	CUL VYYDY	MS Result	0/ Pac	Solv A	M Ueda	SD.	MSD % Dec				
raidinetei	<del></del>	.Spk.Hauca	T	70 NCC	-Shr.	idded:	SLITE		1	CLILLINE	CELILITIE,	Quai
Mercury	BRL	0.005	0.0052	104		1			· · · · · · · · · · · · · · · · · · ·		61-175	



Job ID: 95441

Date:

1/3/2008

Analysis: TCLP Semivolatiles

Method:

SW-846 8270D

Reporting Units : mg/L

QC Batch ID : Qb07122721

Created Date: 12/27/07

Samples in This QC Batch: 95441.01

Created By : Mii

Extraction:

TCLP Prep:

PB07122703

PB07122616

Prep Method: SW-846 3510C Prep Method: SW-846 1311

Prep Date: 12/27/07 08:00 Prep By: Prep Date: 12/26/07 15:00 Prep By: Lwang Bstone

QC Type: Method Blank			The state of the s		Total Commence	The state of the s			
Parameter	CAS#	Result	Units		D.F.	RptLimit			Qual
1,4-Dichlorobenzene	106-46-7	BRL.	mg/L		1	0.05	T		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L		11	0.05			
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	:	1	0.05			
2,4-Dinitrotoluene	121-14-2	BRL	mg/L		1	0.05	l" :		
2-Methylphenol	95-48-7	BRL	mg/L	· · · .	1	0.05	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1 1 1	1	0.05			
Hexachlorobenzene	118-74-1	BRL	mg/L		1	0.05			
Hexachlorobutadiene	87-68-3	BRL	mg/L		1	0.05			
Hexachloroethane	67-72-1	BRL	mg/L		1	0.05			
Nitrobenzene	98-95-3	BRL	mg/L		1	0.05			
Pentachlorophenol	87-86-5	BRL	mg/L		1	1.25		11 11 11 11	
Pyridine	110-861	BRL	mg/L	· · · · · · · · · · · · · · · · · · ·	1	0.05			

QC Type: LCS and LCS	D	1 And								
Taran and a second seco	LCS	LCS	LCS	LCSD	LCSD	LCSD		RPD	%Recovery	
Parameter	Spk Added	Result		Spk Added	Result	% Rec	RPD	CtrlLimit		Qual
1,4-Dichlorobenzene	0.250	0.143	57.2	0.250	0.144	57.6	0.69	35	24-134	li
2,4,5-Trichlorophenol	0.250	0.147	58.8	0.250	0.152	60.8	3,34	35	6-115	
2,4,6-Trichlorophenol	0.250	0.133	53.2	0.250	0.128	51.2	3,83	35	40-138	
2,4-Dinitrotoluene	0.250	0.144	57.6	0.250	0.130	52	10.2	35	32-114	
2-Methylphenol	0.250	0.141	56.4	0.250	0.138	55.2	2.15	35 :	6-132	
3- & 4-Methylphenols	0.500	0.262	52.4	0.500	0.257	51.4	1.93	35	29-132	
Hexachlorobenzene	0.250	0.153	61.2	0.250	0.161	64.4	5.10	35	44-142	
Hexachlorobutadiene	0.250	0.125	50	0.250	0.127	50.8	1.59	.: 35	20-124	
Hexachloroethane	0.250	0,146	58.4	0.250	0.142	56.8	2.78	35	14-136	
Nitrobenzene	0.250	0.160	64	0.250	0.156	62.4	2,53	35	38-146	
Pentachlorophenol	0.250	0.153	61.2	0.250	0.134	53.6	13.2	35	25-125	
Pyridine	0.250	0.094	37.6	0.250	0.086	34.4	8.89	: 35	6-112	



Job ID: 95441

Date:

1/3/2008

Analysis : Total Petroleum Hydrocarbons

Method: TX 1005

Reporting Units: mg/L

QC Batch ID : Qb07122808

Created Date: 12/26/07

Created By : Hkhuc

Samples in This QC Batch: 95441.01

Sample Preparation: PB07122804

Prep Method: TX 1005

Prep Date: 12/24/07 10:00 Prep By:

Hkhuc

Cc Type: Mediod Blatin				
Parameter	CAS # Re	esuit Units	D.F. KOTLIMIC	Qual
C6-C12		BRL mg/L BRL mg/L	1 1.32	
>C28-C35		BRL mg/L	2.3	
Total C6-C35		BRL mg/L	1	

QC Type: LCS and LCS	<b>)</b>				
Parameter	LCS LCS Spk Added Result	LCS LCSD % Rec Spk Added	LCSD LCSD Result % Rec	RPD CtrlLimit	%Recovery CtrlLimit Qual
C6-C12	43 44.8	104 43	45 105	0.44 20	75-125
>C12-C28	43 47.2	110 43	46.2 107	2,14 20	75-125
>C28-C35	43 41.7	97 43	40.9 95.1	1,94 20	75-125

QC Type: MS and MSD										
QC Sample 1D: 95452.	01					eren inimistrati vidal. Perministrati vidale.		rinara izali Marana		
	Sample	MS	MS	MS	MSD	MSD	MSD		RPD	%Rec
Parameter	Result	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit Qua
C6-C12	BRL	43	47.1	110	141.111	7 17 1		: : : : : : :		75-125
>C12-C28	BRL	43	52.1	118					'	75-125
>C28-C35	BRL	43 :	39.3	91.4				· . · ]		75-125

AB

Job ID: 95441

Date:

1/3/2008

Analysis : TCLP Metals

Method:

SW-846 6010C

Reporting Units: mg/L

QC Batch ID : Qb07122811

Created Date: 12/28/07

Created By: Rbairamadgi

Samples in This QC Batch: 95441,01

Digestion:

PB07122806

Prep Method: SW-846 3010A

Prep Date: 12/28/07 08:00 Prep By:

Rbairamadgi

TCLP Prep :

PB07122616

Prep Method: SW-846 1311

Prep Date: 12/26/07 15:00 Prep By:

Bstone

QC Type: Method Blank		Territorio				
Parameter	CAS#	Result	Units		dan da da da da da da da da da da da da da	Oral
Antimony	7440-36-0	BRL	mg/L	1 -	0.1	**************************************
Arsenic	7440-38-2	BRL	mg/L	1	0.1	
Barium	7440-39-3	BRL	mg/L	1	0.1	
Beryllium	7440-41-7	BRL	mg/L	1	0.08	
Cadmium	7440-43-9	BRL	mg/L	i 1 i	0.1	
Chromium	7440-47-3	BRL	mg/L	1	0.1	
Lead	7439-92-1	BRL	mg/L	1	0.1	
Nickel	7440-02-0	BRL	mg/L	1	0.1	
Selenium	7782-49-2	BRL	mg/L	1.1.1.	0.5	
Silver	7440-22-4	BRL	mg/L	1	0.1	
Vanadium	7440-62-2	BRL	mg/L	1	0.1	

QC Type: LCS and LCS	D									
Parameter	LCS Snk Added			LCSD Spk Added	******************	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Oual
Antimony	1	0.997	99.7	1	1.03	103	3.26	20	80-120	Quui
Arsenic	1	1.02	102	1	1.06	106	3.85	20	80-120	÷
Barium	1	1.01	101	1	1.05	105	3.88	20	80-120	
Beryllium	1	0.929	92.9	1	0.944	94.4	1.60	20	80-120	
Cadmium	1	1.04	104	1	1.07	107	2,84	20	80-120	
Chromium	1.1	0.903	90.3	1	0.928	92.8	2.73	20	80-120	
Lead	1	0.908	90.8	1	0.923	92,3	1.64	20	80-120	
Nickel	1	0.917	91.7	1	0.939	93,9	2.37	20	80-120	
Selenium	1	1.01	101	1	1.06	106	4.83	20	80-120	
Silver	1	0.954	95.4	1	0.982	98.2	2.89	20	80-120	
Vanadium	1 1	0.930	93	1	0.958	95.8	2.97	20	80-120	

QC Type: MS and MSD QC Sample ID: 95408.				1.1.26			at hama arvin			
QC Sample ID: 95408.	01	en er insk til in en Last i belikk er insk Dit e treven gærene								
Parameter								KLD	%Rec CtrlLimit	
Antimony	BRL	2	2.05	103	].				70-130	
Arsenic	BRL	2	2.10	104					45-138	
Barium	0.270	2	2.25	99	-			,	39-135	
Beryllium	BRL	2	1.91	95.4		·			70-130	
Cadmium	BRL	2	2.03	102					56-125	
Chromium	0.739	2	2.60	93.1		1			52-125	
Lead	BRL	2	1,84	92					55-125	

Page 8 of 10



Job ID: 95441

Date:

1/3/2008

Analysis : TCLP Metals

Method:

SW-846 6010C F

Reporting Units: n

mg/L

QC Batch ID : Qb07122811

Created Date: 12/28/07

Created By: Rbairamadgi

Samples in This QC Batch: 95441.01

QC Type: MS and MSD				-: · · · · · · · · · · · · · · · · · · ·					The Property of	
QC Sample ID: 95408	01						and a distance of the same of			
Parameter	Sample	MS Sok Added	MS	MS	MSD Sok Added	MSD	MSD % Rec	RPD	RPD Ctrll Imit	%Rec
Nickel	5.12	2	6,92	90	- Optimization		, o nee		Cuilling	70-130
Selenium	BRL	2	2.09	102						70-130
Silver	BRL	2	1.95	97.5						26-148
Vanadium	BRL	2	1.92	96						70-125



Job ID: 95441

Date:

1/3/2008

Analysis : Ignitability (Flash Point)

Method:

Reporting Units:

SW-846 1010

QC Batch ID: Qb07123114

Created Date: 12/31/07

Created By: Ksudha

Samples in This QC Batch: 95441.01

QC Type: Duplicate QC Sample ID: 95441.				THE SECTION OF THE SE				
QC Sample ID: 95441.	01							
QC Sample ID: 95441. Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit			Qual
Ignitability	>150	>150	٥F		20		 	

QC Type: LCS and LCS	LCS	LCS	LCS	LCSD	LCSD	LCSD			%Recovery	
Parameter	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
Ignitability	83	85	102	83	84	101	1.18	20	75-125	

# LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID:

95441

Date:

: 1/3/2008

General Term	Definition		
Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	<b>RptLimit</b>	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		
Qualifier Defii	illion		
<b>D1</b>	Sample required dilution due to matrix effects.		
M1	MS/MSD recovery is high, LCS/LCSD recover	y is acceptable.	
§4	Surrogate not available due to dilution of samp	ole extract for quantificat	lion.
36	Surrogate recovery is outside control limits due	e to matrix effects.	

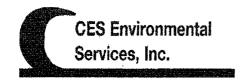
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Houston, TX 77029		HASTON F	0, B	gTC	oat	ings	<b>)</b>			TC	<u> </u>	at 1	X	Coa 41	ting	5,14	-	2477		
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3. Project Name / Location No+ Neverall 2.	col 60	mbination	Clea	n = 1	) a	13	om Hec	tr	ا س	13. 1	4. Co	ntain	ers*	G	G	,   6	بمثانات أبانب أتان	-VOA		
Cleaner-1315 Genral	1						i christi I i chies I				5. Pro		X 11 11 11 11 11 11 11 11 11 11 11 11 11	** Œ	E	. 6	•   -	C		
7. Reporting Requirement: Place US-1	PAAT	CEN OF	roved	M < (	hod,	s for	, w	a s t	=	ers	l6. pH ≀7	-Lab	Only							
TRRP Limits only TRRP Rpf. Package 1	アルル See Attac	ched	☐ Stand	가입하다	11,000					雪		in de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la La compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compa		/ /	Ze-	/	/5/	//	//	<del></del>
3. Sampler's Name & Company (PLEASE AR)		Sampler'	s Şigna	ture &	Date		1			उँ			8 <sup>3</sup> /	1	30	v /_	-/	//		
BUSTON Plating + Charling LC	V/m	rell.	Ite	, 1	د 10	لميص	4			0		est.	/ /	(V)	(x)	/_/	/ /	//,	/	ling i
BUSE 9. Sample ID and Description	1	10. Saf	npling	11	12		Matri	4		Ž	.0	9	6	750	/-	/				
	/			읕.	Water	Sol.		AF	Other		7	Δ/ς	1	<b>\</b> •/	-/.	$\langle \hat{\gamma} \rangle$	//			
		Date	Time	ଞ	5 😤	S	3 0	1	ਰ		/ Q	/o'	/Xº	<u>Y</u> -	<u>/                                    </u>	/	Ĺ.,		REMARKS	
A Not Neutralized Combination	on_	12-20-07	10:00	°  /	-		م ا	_	V	1	1	V	$\checkmark$					lipuid	ON ICI	<b>E</b>
cleaner felectroclean		السيسير ا		-		- -	-   -		-		_				-	_				
1315 Beolala		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						_		4	,			_	ا المنت					
Container#1				-					-		٠ ـــ		_			ا میلنشود. داد		. المشيسي		1
90 Not Neutralized combine	tion	12-20-0	10100 A4	V.	_	۔ ا ۔۔ ا		-	1	2	ا سب				V			llouids	mpleon	16
cleaner + electroclean	nes+			-				_	-ر	_		-			-	شسم ا	أبسم			
1315 Georgia				-	ت   ـ	-	ب ا ب			-								-		
Containers #2+#3				1-1						-		-				_		-		
19, RELINQUISHED BY		DATE	TIME	20/ FJ	CEIVE	D BY	( سر			72.1			P	AT#	TIÁ				RDS/CO	VMENT
Joseph Stenhouch	1	2-21-07		IK	00	10	火	a	M	(/			12/2	21/ OT	2.	00	0m	1105	IVE.	
				1						ð		W.	1			/	<b>₩</b>		$\alpha$	
	. : : : <del> </del>			21, RI	CEIVE	D BY L	ABOR	ATORY								1	empera	ature: <u>U·</u>	<u> </u>	
Containers: VOA - 40 ml viai A/G Amber/Glass	1 Liter			**Prese	rvativas	C - Co		<b>H</b> = {		N	- HNO	s	- H <sub>2</sub> SC	),	leader Tri	-	itack \	or N		
4 oz/8 oz - glass wide mouth P/O - Plastic/other		2	i spakit	<b>.</b>	OP.		VaOH		la <sub>2</sub> S <sub>2</sub> O	, X	- Otner		<u></u> سنو و /	•	-	_	25.5%		cept verbal c	
METHOD OF SHIPMENT Delivered by LABUSE ONLY SAMPLING	RENT	ÂL		P/U		ADING	HA	KING	#.	_#	47	1	75						changes to 7 sposed of all	
The state of the s	•. Proteinion				41.45														sposed of all right to retu	

# **Sample Condition Checklist**



Date: 12/21/07

A&B	JobID: <b>95441</b>		Da	ate Received	: 12/	21/2007		Time	Received:	02:00 P	М	
Clier	nt Name: Houst	on Plating	Compan	y, LLC								
Tem	perature : 0.9°C		Sa	ample pH:	N/A	1	······································			<del></del>		
				ajatana, jajatanah	neck Po	Litting fathering and a					Yes	No
1.	Cooler seal presen	t and sign	ed.								Х	
2,	Sample(s) in a coo	ler.	,		***************************************						х	
3.	If yes, ice in cooler										х	
4.	Sample(s) received	with cha	in-of-custo	ody.							х	
5.	C-O-C signed and	lated.									Х	
6.	Sample(s) received	with sign	ed sample	e custody se	ai,						х	-
7.	Sample containers	arrived in	tact. (If no	comment).			·····	·····		<del></del>	Х	
	Matrix Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Oth	er
8,	· 🗵											<u> </u>
9.	Sample were recei	ved in app	ropriate co	ontainer(s).							х	
10.	All samples were lo	gged or la	beled,								Х	
11.	Sample ID labels n	atch C-O-	C ID's								Х	
12.	Bottle count on C-0	)-C match	es bottles	found.							Х	
13.	Sample volume is s	ufficient f	or analyse	s requested.							Х	
14.	Samples were rece	ived withi	n the hold	time.							х	
15.	VOA vials complete	ly filled.									Х	
16.	Sample accepted.										Х	
Com	ments : Include acti	ons taken	to resolve	discrepancie	es/probl	lem:				<u> </u>		
				MAN		,						
			1					······································	Mt			
												46352.71% W.C.P.
Ones	ind by Description			<u> </u>	3.0461	Charl: 1-	buldata -	Daniel	/ 12/21/2007		de sellinit	trajelia Maria
кесе	ived by : Rgamez	····			····	Cneck in	by/date:	kgamez	/ 12/21/2007			
				·····		· · · · · · · · · · · · · · · · · · ·						
none	: 713-453-6060								w	ww.ablabs	.com	



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Waste Profile Re-Certification Form**

<u>HOU-1361</u>			
Houston Plating	1 & C	oatings LLC	
Houston Plating	1 & C	oatings LLC	
Non-Hazardous	Was	tewater	
1/30/2009			
The purpose of this forementioned waste so 51.3.  that the components in a same as when issued the results of the components of the compon	form instream	s to confirm that no changes have been and that the waste stream remains of and that the waste stream remains of the forementioned waste stream and the provided for the following analysis is required for Please sumbit results of the following the original of the following the following of the following the following of the foll	en made in the assified as non- process generating Number: (Check dication.
1	Houston Plating Houston Plating Non-Hazardous 1/30/2009  lan, CES Environmen The purpose of this forementioned waste storements in esame as when issue of the same as when is the same as when is the same as when is the same as when is the same as when is the same as when is the same as when is the same as when is the same as when is the same as when it is the same as w	Houston Plating & C  Houston Plating & C  Non-Hazardous Was  1/30/2009  lan, CES Environmental Se The purpose of this form is forementioned waste stream of 1.3.  hat the components in the are same as when issued the artify.	Houston Plating & Coatings LLC  Houston Plating & Coatings LLC  Non-Hazardous Wastewater  1/30/2009  lan, CES Environmental Services, Inc. requires recertification of The purpose of this form is to confirm that no changes have beforementioned waste stream and that the waste stream remains closured to the aforementioned waste stream and the le same as when issued the aforementioned waste stream and the le same as when issued the aforementioned CES Waste Approval  Tify.  Analysis is NOT required for recertify the following analysis is required for Please sumbit results of the following of TCLP Metals  TCLP Wetals  TCLP Semi-volatiles  Reactivity  Corrosivity



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

#### Client Project ID:

Not Neutralized Combination Cleaner & Electo Clean

Report To:

Client Name:

Houston Plating Company, LLC

Joseph Stankovich

Client Address:

P.O. Box 418

City, State, Zip:

South Houston, Texas, 77587

P.O.# .: 247745

Sample Collected By: Joseph Stankovich

Date Collected: 12/20/07

A&B Labs has analyzed the following samples...

Attn:

Client Sample ID

Matrix

A&B Sample ID

Not Neutralized Combination Cleaner & Electo Cleaner-1315 Georgia-Container

#1,#2 & #3

Liquid

95441.01

Newest ANALYTICAL
ON Combination Cleaner 00202051 NoT Neutral 12 ed

Released By: Kathy Danford

Title:

Project Manager

Date:

01/03/2008



This Laboratory is NELAP (T104704213-07-TX) accredited.

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Page 1 of 1

Date Received: 12/21/2007 14:00

#### LABORATORY TEST RESULTS

95441

Date 1/3/2008

Client Name: Houston Plating Company, LLC

12/20/07

10:00

Attn: Joseph Stankovich

Project ID:

Not Neutralized Combination Cleaner & Electo Clean

Not Neutralized Combination Cleaner & Electo

Job Sample ID: 95441.01

Client Sample ID: Date Collected:

Cleaner-1315 Georgia-Container #1,#2 & #3

Time Collected:

Sample Matrix Liquid

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point)							
Confighteen connects for 2 to 1 mg 12 mg	Ignitability	>150	<b>°F</b> Chille De Alexandri	1 ************************************	eferencia alteriare	eg jogs skaller i Laveren	12/31/07 12:30	KS
5W-846 6010C	TCLP Metals							
	Antimony	0.102	mg/L	1	0.1	1	12/28/07 13:36	RB
	Arsenic	0.499	mg/L	1	0.1	1.8	12/28/07 13:36	RB
	Barium	0.469	mg/L	1	0.1	100.0	12/28/07 13:36	RB
	Beryllium	BRL	mg/L	1	0.08	0.08	12/28/07 13:36	RB
	Cadmium	BRL	mg/L	1	0.1	0.5	12/28/07 13:36	RB
	Chromium	0.146	mg/L	1	0.1	5.0	12/28/07 13:36	RB
	Lead	BRL	mg/L	1	0.1	1.5	12/28/07 13:36	RB
	Nickel	BRL	mg/L	1	0.1	70	12/28/07 13:36	RB
	Selenium	BRL	mg/L	1	0.5	1.0	12/28/07 13:36	RB
	Silver	BRL	mg/L	1	0.1	5.0	12/28/07 13:36	RB
	Vanadium	BRL	mg/L	1	0.1	30	12/28/07 13:36	RB
W-846 7.3				0007-1-11865 07-10-15-15-15-1 16006-1-15-15-15-1				
	Reactive Cyanide	BRL	mg/L	1	25		12/21/07 14:50	KS
W-846 7.3				WEEVE				
eggintigitterekki. Li	Reactive Sulfide	BRL	mg/L	1 1	25	napara premija kaja jing MgM.	12/21/07 14:50	KS
W-846 7470 <b>A</b>	TCLP Metals, Mercury							
and the second second second	Mercury	BRL	mg/L	1	0.002	0.2	12/27/07 15:08	RB
W-846 8260B	TCLP VOC	Carlos de Carlos (Carlos de Carlo					ropada (Spiritary) (Spiritary) Principality (Spiritary)	
, , organiza tabilità il	1,1-Dichloroethylene	BRL	mg/L	1	0.13	0.6	12/26/07 18:21	HW
	1,2-Dichloroethane	BRL	mg/L	1	0.13	0.5	12/26/07 18:21	HW
	1,4-Dichlorobenzene	BRL	mg/L	i	0.15	7.5	12/26/07 18:21	HW
	Benzene	BRL.	mg/L	1	0.13	0.5	12/26/07 18:21	HW
	Carbon tetrachloride	BRL	mg/L	1 1	0.13	0.5	12/26/07 18:21	HW
	Chlorobenzene	BRL	mg/L	1	0.15	70	12/26/07 18:21	HW
	Chloroform	BRL.	mg/L	1	0.13	6	12/26/07 18:21	HW
	MEK	BRL	mg/L	1	0.13	200	12/26/07 18:21	HW
	Tetrachloroethylene	BRL	mg/L	1	0.16	0.7	12/26/07 18:21	HW
	Trichloroethylene	BRL	mg/L	1	0.13	0.5	12/26/07 18:21	HW
	Vinyl Chloride	BRL	mg/L	1	0.1	0.2	12/26/07 18:21	HW
	1,2-Dichloroethane-d4(surr)	96.9	%	1	70-130		12/26/07 18:21	HW
	Dibromofluoromethane(surr)	4.77	%	1	70-130	\$6	12/26/07 18:21	HW
	p-Bromofluorobenzene(surr)	108	%	1	70-130		12/26/07 18:21	HW
	Toluene-d8(surr)	99.6	%	1	70-130		12/26/07 18:21	HW
V-846 8270D	TCLP Semivolatiles			ŗ.ý-Hens		n vijiti nalik		parties.
• .UTV 04/UU	1,4-Dichlorobenzene	BRL	mg/L	4	0.2	7.5 D1	12/27/07 14:22	ML

#### LABORATORY TEST RESULTS

95441

Date 1/3/2008

Client Name: Houston Plating Company, LLC

Project ID: Not Neutralized Combination Cleaner & Electo Clean

Attn: Joseph Stankovich

Client Sample ID:

Not Neutralized Combination Cleaner & Electo

Job Sample ID: 95441.01

Date Collected:

Cleaner-1315 Georgia-Container #1,#2 & #3

Sample Matrix Liquid

Time Collected: 10:00

12/20/07

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	1	ı	t	ł	ì	i		i	•	]	ľ	ľ	ľ	f	c	١	۲	1	7	٦	Ë	i	i	Ċ	H	١			÷	3	١.	

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limi	t Reg Limit Q	Date Time	Analyst
SW-846 8270D	TCLP Semivolatiles							
72	2,4,5-Trichlorophenol	BRL	mg/L	4	0.2	<b>4</b> 00	12/27/07 14:22	ML
	2,4,6-Trichlorophenol	BRL	mg/L	4	0.2	2	12/27/07 14:22	ML
	2,4-Dinitrotoluene	BRL	mg/L	4	0.2	0.13	12/27/07 14:22	ML
	2-Methylphenol	BRL	mg/L	4	0.2	200	12/27/07 14:22	ML
	3- & 4-Methylphenols	BRL	mg/L	4	0.2	200	12/27/07 14:22	ML
	Hexachlorobenzene	BRL	mg/L	4	0.2	0.13	12/27/07 14:22	ML
	Hexachlorobutadiene	BRL	mg/L	4	0.2	0.4	12/27/07 14:22	ML
	Hexachloroethane	BRL	mg/L	4	0.2	3	12/27/07 14:22	ML
	Nitrobenzene	BRL	mg/L	4	0.2	2	12/27/07 14:22	ML
	Pentachlorophenol	BRL	mg/L	4	5	100	12/27/07 14:22	ML
	Pyridine	BRL	mg/L	4	0.2	4	12/27/07 14:22	ML
	2,4,6-Tribromophenol(surr)	26	%	4	10-120		12/27/07 14:22	ML
	2-Fluorobiphenyl(surr)	40.7	%	4	30-115	naa ay ah maray madan sa ah m	12/27/07 14:22	ML
	2-Fluorophenol(surr)	37.4	%	4	15-111	manage and a second second second	12/27/07 14:22	ML
	Nitrobenzene-d5(surr)	41.6	%	4	20-120	The second of the second	12/27/07 14:22	ML
	Phenol-d6(surr)	37,5	%	4	15-120		12/27/07 14:22	ML
	p-Terphenyl-d14(surr)	43.2	%	4	18-137		12/27/07 14:22	ML
SW-846 9040C	Corrosivity, pH							
Nother III toll is grown as to even out to	pΗ	13.15	s.u.	of shore feet of ""	//////////////////////////////////////	e i i i i i i i i i i i i i i i i i i i	12/21/07 15:30	KS
TX 1005	Total Petroleum Hydrocarbons							
र्वे के किस्तान विकेश विकास है ।	C6-C12	BRL	mg/L	10	13.2	Programme and State of the Stat	12/26/07 18:02	HK
	>C12-C28	241	mg/L	10	37.1		12/26/07 18:02	HK
	>C28-C35	286	mg/L	10	23	* *School * Some	12/26/07 18:02	HK
	Total C6-C35	527	mg/L	10	scutturi en enservi	enternation (	12/26/07 18:02	HK
	1-Chlorooctane(surr)	N/A	%	10	62-121	S4	12/26/07 18:02	HK
	Chlorooctadecane(surr)	N/A	%	10	62-121	S4	12/26/07 18:02	HK

**Job ID**: 95441

Date:

1/3/2008

Analysis :

Method:

SW-846 7.3

Reporting Units: mg/L

QC Batch ID : Qb07122116

**Created Date:** 12/21/07

Created By : Ksudha

Samples in This QC Batch: 95441.01

Sample Preparation: PB07122617

Prep Method: SW-846 7.3

Prep Date: 12/21/07 14:45 Prep By:

Ksudha

QC Type: Method Blank Parameter CAS #	Result Units	-D.F. RptLimit Qual
Reactive Sulfide	BRL mg/L	1 25

QC Type: Duplicate QC Sample ID: 95256.01		
- QCSample Parameter Result	Sample RPD RPD CtrlLimit Result Units RPD CtrlLimit	The second secon
Reactive Sulfide BRL	BRL mg/L 20	

QC Type: LCS and LCS	<b>D</b>				
Parameter		LCS LCS Result % Re	LCSD LCSD Result % Rec	RPD RPD CtrlLimit	%Recovery CtrlLimit Oual
Reactive Sulfide	750	640 85.3	 600 80	6.45 20	40-110

**Job ID**: 95441

Date:

1/3/2008

Analysis :

Method:

SW-846 7.3

Reporting Units:

mg/L

QC Batch ID: Qb07122118

Created Date: 12/26/07

Created By : Ksudha

Samples in This QC Batch: 95441.01

Sample Preparation: PB07122618

Prep Method: SW-846 7.3

Prep Date: 12/21/07 14:45 Prep By:

Ksudha

	S# Res	ult t		D.F. RotLimit	Qual
Reactive Cyanide	BR	≀L r	ng/L	1 25	

QC Sample ID: 95256.01				Oral
Reactive Cyanide B	RL BRL	mg/L	20	

Annual State of the Control of the C	LCS	LCS ICS	LCSD 1	CSD LCSD	RPD	%Recovery
Reactive Cyanide	5.0	2.95 59		2.82 56.4	4.51 20	40-110



**Job ID**: 95441

Date:

1/3/2008

Analysis : Corrosivity, pH

Method:

SW-846 9040C

Reporting Units : s.u.

QC Batch ID : Qb07122613

Created Date: 12/21/07

Created By : Ksudha

Samples in This QC Batch: 95441.01

QC Sample ID: 95441.	<b>01</b> QCSample Result	Sample Result	Units	RPD	DDD		
pH	13.17	13.15	s.u.	0.15	5		

ıcs			DDD-	
pH 4,00	1	gned Result	RPD Ctriumit	3.95-4.05 Qual



Job ID: 95441

Date:

1/3/2008

Analysis : TCLP VOC

Method :

SW-846 8260B Reporting Units:

mg/L

Created Date: 12/26/07

QC Batch ID : Qb07122701

Created By: Whuimei

Samples in This QC Batch: 95441.01

Prep Method: SW-846 5030C

Prep Date: 12/26/07 15:00 Prep By:

Whuimei

Sample Preparation : PB07122701 TCLP Prep:

PB07122616

Prep Method: SW-846 1311

Prep Date: 12/26/07 15:00 Prep By:

Bstone

QC Type: Method Blank						
Parameter	CAS#	Result	Units	D.E.	RptLimit	Qual
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.13	
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.13	[4 편] 그 회문에 하면 소리되는 회 문화인.
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.15	
Benzene	71-43-2	BRL	mg/L	1	0.13	
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.13	
Chlorobenzene	108-90-7	BRL	mg/L	1	0.15	
Chloroform	67-66-3	BRL	mg/L	1	0.13	
MEK	78-93-3	BRL	mg/L	1	0.13	
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.16	
Trichloroethylene	79-01-6	BRL	mg/L	1	0.13	
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.1	

QC Type: LCS and LCSI	<b>D</b>		Part Company						
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit Qual
1,1-Dichloroethylene	0.500	0.526	105	0.500	0.503	101	4.47	25	70-130
Benzene	0.500	0.524	105	0.500	0.521	104	0.57	25	70-130
Chlorobenzene	0.500	0.486	97.2	0.500	0.481	96.2	1.03	25	70-130
MEK	0.500	0.581	116	0.500	0.487	97.4	17.6	25	70-130
Trichloroethylene	0.500	0.520	104	0.500	0.518	104	0.38	25	70-130

QC Type: MS and MSD		The second second	utenaka Tanggaran	The state of the s					7 7 7 7 7 7 7 7-		
QC Sample ID: 95441.	01										
Parameter	Sample Result	MS Søk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Oual
1,1-Dichloroethylene	BRL	0.500	0.953	191							М1
Benzene	BRL	0.500	0.532	106						70-130	
Chlorobenzene	BRL	0.500	0.500	100			**			70-130	
MEK	BRL	0.500	0.950	190						70-130	M1
Trichloroethylene	BRL	0.500	1.12	224						70-130	M1 -



Job ID: 95441

Date:

1/3/2008

Analysis : TCLP Metals, Mercury

Method:

SW-846 7470A

Reporting Units: mg

mg/L

QC Batch ID : Qb07122719

Created Date: 12/27/07

Created By: Rbairamadgi

Samples in This QC Batch: 95441.01

Digestion:

PB07122715

Prep Method: SW-846 7470A

Prep Date: 12/27/07 08:15 Prep By:

Rbairamadgi

TCLP Prep:

PB07122616

Prep Method: SW-846 1311

Prep Date: 12/26/07 15:00 Prep By:

Bstone

QC Type: Method Blan	K CAS#	Result Units		Qual
Mercury	7439-97-6	BRL mg/L	1 0.002	

QC Type: LCS and LCS					
Parameter	LCS LCS Spk Added Result	LCS LCSD Rec Spk Added	LCSD LCSD Result % Rec	RPD CtrlLimit	%Recovery. CtrlLimit Qual
Mercury	0.005 0.005	104 0.005	0.0052 104	0 35	71-143

	MS MS MS MS		RPD %Rec RPD CtrlLimit Qual
Parameter Result  Mercury BRL	0.005 0.0052 104	Spk Auded Result % Rec	61-175



Job ID: 95441

Date:

1/3/2008

Analysis: TCLP Semivolatiles

Method :

SW-846 8270D

Reporting Units : mg/L

QC Batch ID : Qb07122721

Created Date: 12/27/07

Samples in This QC Batch: 95441.01

Created By: Mli

Extraction:

PB07122703

Prep Method: SW-846 3510C

Prep Date: 12/27/07 08:00 Prep By:

Lwang

TCLP Prep:

PB07122616

Prep Method: SW-846 1311

Prep Date: 12/26/07 15:00 Prep By:

Bstone

Parameter	CAS#	Result -	Units	D.F.	RptLimit	Qual
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.05	
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.05	
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.05	
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.05	
2-Methylphenol	95-48-7	BRL	mg/L	1	0.05	
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.05	
Hexachlorobenzene	118-74-1	BRL	mg/L	1.00	0.05	
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.05	[ striple of the control of the cont
Hexachloroethane	67-72-1	BRL	mg/L	1	0.05	
Nitrobenzene	98-95-3	BRL	mg/L	1	0.05	
Pentachiorophenol	87-86-5	BRL	mg/L	1	1.25	
Pyridine	110-861	BRL	mg/L	1	0.05	

QC Type: LCS and LCS	D									
	LCS	LCS	LCS	LCSD	LCSD	LCSD		RPD	%Recovery	
Parameter	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
1,4-Dichlorobenzene	0.250	0.143	57.2	0.250	0.144	57.6	0.69	35	24-134	
2,4,5-Trichlorophenol	0.250	0.147	58.8	0.250	0.152	60.8	3,34	35	6-115	
2,4,6-Trichlorophenol	0.250	0.133	53.2	0.250	0.128	51.2	3,83	35	40-138	
2,4-Dinitrotoluene	0.250	0.144	57.6	0.250	0.130	52	10.2	35	32-114	
2-Methylphenol	0.250	0.141	56.4	0.250	0.138	55.2	2.15	35	6-132	
3- & 4-Methylphenols	0.500	0.262	52.4	0.500	0.257	51.4	1.93	35	29-132	
Hexachlorobenzene	0.250	0.153	61.2	0.250	0.161	64.4	5.10	35	44-142	
Hexachlorobutadiene	0.250	0.125	50	0.250	0.127	50.8	1.59	35	20-124	
Hexachloroethane	0.250	0.146	58.4	0.250	0.142	56.8	2.78	35	14-136	1
Nitrobenzene	0.250	0.160	64	0.250	0.156	62.4	2.53	35	38-146	
Pentachlorophenol	0.250	0.153	61.2	0.250	0.134	53.6	13.2	35	25-125	
Pyridine	0.250	0.094	37.6	0.250	0.086	34.4	8.89	35	6-112	1



Job ID: 95441

Date:

1/3/2008

Analysis : Total Petroleum Hydrocarbons

Method:

TX 1005

Reporting Units: mg/L

QC Batch ID : Qb07122808

Created Date: 12/26/07

Prep Method: TX 1005

Created By : Hkhuc

Samples in This QC Batch: 95441.01

Sample Preparation: PB07122804

Prep Date: 12/24/07 10:00 Prep By:

Hkhuc

QC Type: Method Parameter	Blank CAS	# Result	Units	D,F, RotLimit	Qual
C6-C12 >C12-C28 >C28-C35 Total C6-C35		BRL BRL BRL BRL	mg/L mg/L mg/L mg/L	1 1.32 1 3.71 1 2.3 1	

QC Type: LCS and LCSD  LCS LCS Parameter Spk Added Result	LCS LCSD LCSD LCSD LCSP & Result %	.SD RPD %Recovery Rec RPD CtrlLimit CtrlLimit Qual
C6-C12     43     44.8       >C12-C28     43     47.2       >C28-C35     43     41.7	110 43 46.2 1	05     0.44     20     75-125       07     2.14     20     75-125       5.1     1.94     20     75-125

QC Type: MS and MSD QC Sample 10: 95452.01 Samp		MS MSD	MSD: MSD	RPD	%Rec
Parameter         Rest           C6-C12         BRI           >C12-C28         BRI           >C28-C35         BRI	43 52.1	% Rec Spk Adde 110 118 91.4	d Result % Rec	RPD CtriLimit	CtrlLimit Qual 75-125 75-125 75-125 75-125

**Job ID**: 95441

Date:

1/3/2008

Analysis : TCLP Metals

Method:

SW-846 6010C

Reporting Units: mg/L

QC Batch ID : Qb07122811

Created Date: 12/28/07

Created By: Rbairamadgi

Samples in This QC Batch: 95441.01

PB07122806

Prep Method: SW-846 3010A

Prep Date: 12/28/07 08:00 Prep By:

Rbairamadgi

Digestion : TCLP Prep :

PB07122616

Prep Method: SW-846 1311

Prep Date: 12/26/07 15:00 Prep By:

Bstone

QC Type: Method Blank							
Parameter	CAS #	Result -	Units	D.F.	RptLimit		Qual
Antimony	7440-36-0	BRL	mg/L	1	0.1		
Arsenic	7440-38-2	BRL	mg/L	1	0.1		
Barium	7440-39-3	BRL	mg/L	1	0.1		
Beryllium	7440-41-7	BRL	mg/L	1	0.08		1
Cadmium	7440-43-9	BRL	mg/L	1	0.1		
Chromium	7440-47-3	BRL	mg/L	1	0.1		
Lead	7439-92-1	BRL	mg/L	1	0.1		
Nickel	7440-02-0	BRL	mg/L	1	0.1		
Selenium	7782-49-2	BRL	mg/L	1	0.5		1.5
Silver	7440-22-4	BRL	mg/L	1	0.1		
Vanadium	7440-62-2	BRL	mg/L	1	0.1		

QC Type: LCS and LCSD								
LCS	LCS	LCS	LCSD	LCSD	LCSD		RPD	%Recovery
			Spk Added		<del></del>		CtrlLimit	CtrlLimit Qual
Antimony	0.997	99.7	[1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.03	103	3.26	20	80-120
Arsenic 1	1.02	102	1	1.06	105	3.85	20	80-120
Barium 1	1.01	101	1	1.05	105	3.88	20	80-120
Beryllium 1	0.929	92.9	1	0.944	94.4	1.60	20	80-120
Cadmium 1	1.04	104	1	1.07	107	2.84	20	80-120
Chromium 1	0.903	90.3	1	0.928	92.8	2.73	20	80-120
Lead 1	0.908	90.8	- <b>1</b>	0.923	92.3	1.64	20	80-120
Nickel 1	0.917	91.7	·· 1 ·	0.939	93.9	2.37	20	80-120
Selenium 1	1.01	101	1	1.06	106	4.83	20	80-120
Silver 1	0.954	95.4	1	0.982	98.2	2.89	20	80-120
Vanadium 1	0.930	93	1	0.958	95.8	2.97	20	80-120

QC Type: MS and MSD											
QC Sample ID: 95408. Parameter	Sample	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit Q	Qual
Antimony	BRL	2	2.05	103	." . "					70-130	٠
Arsenic	BRL	2	2.10	104			1.1.			45-138	
Barium	0.270	2	2.25	99		·				39-135	•
Beryllium	BRL	2	1.91	95.4						70-130	
Cadmium	BRL	2	2.03	102						56-125	
Chromium	0.739	2	2,60	93.1						52-125	
Lead	BRL.	2	1.84	92						55-125	

Page 8 of 10



Job ID: 95441

Date:

1/3/2008

Analysis : TCLP Metals

Method:

SW-846 6010C

Reporting Units : mg/L

QC Batch ID : Qb07122811

Created Date: 12/28/07

Created By : Rbairamadgi

Samples in This QC Batch: 95441.01

QC Type: MS and MSD QC Sample ID: 95408. Parameter.	<b>01</b> Sample	MS Spk Added	MS Resulf	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtdLimit Qu	Jal
Nickel Selenium Silver Vanadium	5.12 BRL BRL BRL	2 2 2 2	6.92 2.09 1.95 1.92	90 102 97.5 96						70-130 70-130 26-148 70-125	



Job ID: 95441

Date:

1/3/2008

Analysis : Ignitability (Flash Point)

Method:

SW-846 1010

Reporting Units : °F

QC Batch ID : Qb07123114

Created Date: 12/31/07

Created By : Ksudha

Samples in This QC Batch: 95441,01

QC Type: Duplicate QC Sample ID: 95441 Parameter	. <b>01</b> QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qua
Ignitability	>150	>150	٥F		20		

QC Type: LCS and LCSD		LCS LCSD LCSD	LCSD RPD	%Recovery
	Spk Added Result	% Rec Spk Added Result		CtrlLimit Qual
Ignitability	83 85	102 83 84	101 1.18 20	] /5-125

## LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Date: 1/3/2008

General Term	Ueinnion			
Back-Wt	Back Weight	Post-Wt	Post Weight	
BRL	Below Reporting Limit	ppm	parts per million	
cfu	colony-forming units	Pre-Wt	Previous Weight	
Conc.	Concentration	Q	Qualifier	
D.F.	Dilution Factor	RegLimit	Regulatory Limit	
Front-Wt	Front Weight	RPD	Relative Percent Difference	
LCS	Laboratory Check Standard	RptLimit	Reporting Limit	
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate	
MS	Matrix Spike	T	Time	
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count	
/IVV	Molecular Weight			
Qualifier Defin	itlön			
01	Sample required dilution due to matrix effects.			
11	MS/MSD recovery is high, LCS/LCSD recover	y is acceptable.		
34	Surrogate not available due to dilution of same	ole extract for quantificat	ion.	
66	Surrogate recovery is outside control limits due	e to matrix effects.		

10100 East Fwy. (I-10), Ste. 100  A B Houston, TX 77029	1.	haston F	REPO			ino	LL			aug	Τ,	200 P		OICE		tin.	15 LL	3. P	0#247745
713-453-6060	Addres		0, 13%	XZ	118	Ü	7	آ آ	ddr	ess:	. <b></b>	P.C	7 B	X	41	8 7	7	a Ti	rnaround Time (Business Da
713-453-6091 Fax		th Hous		-			3				Ho	VSI	-oN	TX	7	75 8	7		과 단지를 하시겠다니다 관리를 하게 된다.
ablabs.com		ct: 305 %							Cont					s P				- 010	18. 图16. [14] [14] [14] [15] [16] [16] [16] [16] [16] [16] [16] [16
A&B JOB ID # (2) 1/1/1	Phone		-946						hon			$\frac{200}{73}$	- 92	76-	872	<u> </u>			*** **・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
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Cleaner-1315 Georgia						, -1	<b>~</b> 1	e	- 7 C					atives					
7. Reporting Requirement: Please Use L		CED DE	o résient	MEI				13.1	++		တ္	16. pl	H-Lab	Only			Wig.		
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LOUSTON Plating + Costings LLC.  9. Sample ID and Description	XOZ	Alla	npling	-H	4	e	KU				ું		505	1	35%	/'ن	-/	/ /	
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19 Not Neutralized Combinati	oq	12-20-07	AM	<u> </u>	1-		-		-	V	1	V	V	V			نينت ا		liquid and ICE
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1315 Georgia		خليات	المتعلوا		_							•							
Container #1									-					- معلن ا				-	
190 Not Neutralized combine	11.	12-20-0	7 10100 A4	V	_				-	1	2	-	نیدند. ارسست	-		1			liquidsampleon 121
cleaner + electroclear		1 2000	4.5							<b>Y</b>								ا ا	Ingularampieur 161
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1315 Georgia	rry terry lev Til Mare Br		1	- -	]		<u> </u>	-			**	-			}==		#		
Containers #2+#3		1	4	41	7-	-			-		-						-		
				لمل													1		
19. RELINQUISHED BY		DATE	TIME	20 P	ECEIVI	ED BY		$\mathbb{A}$					reigiaj. Grana	_ E	ATE				OWN HAZARDS / COMMENT: タイプァティンピ
Joseph Henhorich		12-21-07		K	U O	1	VV	$\mathcal{L}$	K	M	$\langle I \rangle$			12/2	41 <u>/</u> 6	12	100	pm	
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<b>á</b>				21. R	ECEIV	ED BY	LAB	ORAT	ORY,					1				Temper	ature: <u>V·  1</u> °C
*Containers: VOA - 40 ml vigt A/G - Amber/Glass	1 Liter			**Prese	rvative	5, C 4 (	Cool	n regi Lyddd	н - н	ici-	•	ı HNC	) <u>.</u> !	J S = H <sub>s</sub> SC	5,			Intack	Y)or N
4 oz/8 oz - glass wide mouth P/O - Plastic/other				La re		OH	NaC	)H	T-N	a <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	, )	( - Othe	9r				-	100	&B cannot accept verbal changes
METHOD OF SHIPMENT Delivered by		5			OF L	ADIN	g/TI	RACK	ING	#		24	77	45	Seldinir i			Please	FAX written changes to 713-453-60
LAB USE ONLY SAMPLING	RENT	<u>^</u>		P/U	وأستكنينا	خفضيت		•								Spirit.	::::::::::::[F	Sami	ples will be disposed of after 30 day

# **Sample Condition Checklist**



Date: 12/21/07

\&B	JobID :	95441		D	ate Received	1: 12	/21/2007		Time	Received:	02:00 P	M	
lie	nt Name :	Houston	Plating	Compar	ıy, LLC								
em	perature :	0.9°C		S	ample pH :	N/	Α		******				
					C	heck P	oints					Yes	No
1.	Cooler sea	l present a	and signe	d.								Х	
2.	Sample(s)	in a coole	r.									Х	
3.	If yes, ice	in cooler.										х	
4.	Sample(s)	received v	with chai	n-of-custo	ody.							Х	
5.	C-O-C sign	ed and da	ted.				trin.					Х	
6.	Sample(s)	received v	with sign	ed sampl	e custody se	al.			······································		<del></del>	Х	
7.	Sample co	ntainers a	rrived int	act. (If no	comment).		······································					Х	
	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Buik	Badge	Food	Oth	ег
8.	:	V											
9.	Sample we	ere receive	d in appr	opriate co	ontainer(s).							Х	
LQ.	All samples were logged or labeled.							Х					
1.	. Sample ID labels match C-O-C ID's							Х					
.2.	Bottle count on C-O-C matches bottles found,							х					
з.	Sample volume is sufficient for analyses requested.							Х					
l4.	Samples were received within the hold time.							Х					
.5.	VOA vials	ompletely	filled.						,			Х	
6.	Sample ac	cepted.					., <del></del>				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	х	
om	ments : Incl	ude action	s taken (	o resolve	discrepancie	s/prob	lem:			**************************************		<del></del>	**
	- Control of the Cont												
Rece	ived by: F	Rgamez					Check in	by/date:	Rgamez	/ 12/21/2007	1		
		7072222			,	-							
	: 713-453-6	000									ww.ablabs		

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713 676 676 P.03/04



490 Griggs Road Housen, TX 77021 Tel. (113) 676-1460 Fax. (13) 678-1676

# Waste Profile Re-Certification Form

CES Waste Approval #:

1363

Customer:

GATX (Hearns)

Waste Generator:

GATX (Hearne)

Waste Stream Name:

NH Waste Solids - C-455 1

**Expiration Date:** 

<u>2/6/2008</u>

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approve waste profiles on an annual basis. The purpose of this form is to confirm that no champs have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified a nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Applival Number: (Theck Appropriate Box)

□ No changes, please recertify.

Please send new profile as waste stream has changed.

Ricordo Salias

Signature

GATX

Company / Title

10-8

Date

Analysis is NOT required for remartification.

The following analysis is required for recertification. Please sumbit results of the following tests.

☐ TCLP Metals

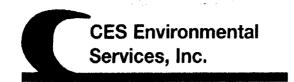
LI TCLP Volatiles

II TCLP Semi-volatiles

**□** Reactivity

LI Corrosivity

|| Ignitability



# Waste Pre-Acceptance/Approval Letter

Date 2/6/2006

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1363

**Generator:** GATX (Hearne) **Address:** P.O. Box 969

Hearne, TX 77859

# Waste Information

Name of Waste: NH Waste Solids TCEQ Waste Code #: 99074091

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Removal of non-hazardous heels from railcars.

Color: Dark

Odor: None

**pH:** 3-11

Physical State: Solid Incompatibilities: None

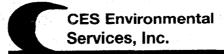
Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

Market

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	ator Information									* * * * * * * * * * * * * * * * * * * *	
Company :	GATX (Hearne)	)				. *	and Myself			<u>,</u>	
Address:	P.O. Box 969						finita ni am	<u> </u>		. ,	
City, State, Zip:	Hearne TX 778	359					, 14 °C		<u> </u>		
Contact :	Ricardo Salias					Tit	tle :	HS&E M	anager ^		
Phone No :	(979) 279-7020	)				Fa	ax my film	(979) 27	9-5664	1 19 60 1 12 1	
24 / HR Phone:	(979) 279-7020	)					ભાગુંદ મ	ខេរជ្ជម្នាក់ និ			
U.S EPA I.D No:	TXD000835207	7					13.55 M		My Mik.		
State I.D:	32643					SI	C Code		dia.		
SECTION 2: Billing	ı Information		· .								
Company:	GATX (Hearne)	)					1. 4.77				
Address :	P.O. Box 969						1 <del></del>			2.1.	
City, State, Zip:	Hearne TX 778	59					***,	e			
Contact:	Ricardo Salias					Tit	tle:	HS&E M	anager		
Phone No :	(979) 279-7020	)				Fa	ax:	(979) 27	9-5664		
SECTION 3: Genera	· · · · · · · · · · · · · · · · · · ·										
Name of Waste :	NH Waste Solid	ds					·				
Detailed Descript Removal of non-ha			ars.								
Physical State :	Liquid		Slu	dge		Powde	∍r				
	<b>✓</b> Solid		Filt	er Cake	[	_ Combi	ination				
Color:	_		Dark	Odor :						None	
Specific Gravity (	(Water=1) :		N/A	Density :			-		N/A		lbs / gal
Layers :	✓ Single-	Phas	_ ☐ Mu	lti-Phase	<b>;</b>						
Container Type :	<b>✓</b> Drum		Tote		Truck	☐ Ot	her (exp	lain)			
Container Size :	55			·							
Number Of Units	: 35			_			<del></del>				
Texas State Wast	****		99074091			e P					
Proper U.S. State	Waste Code N	o :			Non-RC	RA/Non	DOT regi	ulated wa	aste solids	s	
Class:		UN/NA:				PG:_				RQ:	
Flash Poin	ıt	рН		React	ive Sulfi	ides	React	tive Cyan	ides	Solid	s
>200		3-11		***************************************	<20	mg/l		<20	mg/i	100	
Oil and Grea		TOC	ma/l		Zinc		(	Copper		Nicke	
Oil and Grea >1500	nse mg/l	TOC N/A	mg/l		Zinc N/A	mg/l	(	Copper N/A	mg/l	Nicke N/A	

02/06/2006 12:27 3/32/33020	I GAIA HE		51	
	·	! !		
			1	
SECTION 4: Physical and Chemical Data				
COMPONENTS TA		. , , , , , , , , , , , , , , , , , , ,	centration.	Units
Peraffin Wax	Aming utatalials es	Rangel	50-100	or %
Asphalt	· ·		50-100	%
			:	
	, ,	:		·
			(	
SECTION 5; Safety Related Data			il.	
If the handling of this waste requires the use of Standard RPE Required	f special protective equipmen	nt please explai	i.	
				12 4 12 12 12 12 12 12 12 12 12 12 12 12 12
		l di	<u>i.</u> !	
SECTION 6: Attached Supporting Documents				
List all documents, notes, date, and/or analysis MSDS	attached to this form as part	t of the waste 🕸	roval package.	
	·			
• •		•		
ECTION 7: Incompatibilities	ξ.			
Please list all incompatibilities (if any):				
None .				
			;	
FCTION A: Garagean's Mary I. d. D		i i		
ECTION 8: Generator's Knowledge Documentation			i. i.	
_aboratory analysis of the hazardous waste cha ollowing generators knowledge	racleristics, listed below, WA	S NOT PERFOR	RED based upor	the
CLP Metals : TCLP Metals are below	v repulatory limits			8
CLP Volatilies : TCLP Volatiles em bel	1 ·· · · · · · · · · · · · · · · · · ·	1		
	re below regulatory limits			
reactivity: No reactive materials a				
orrosivity: pH is neutral				
nitablilty: No ignitable materials a	are present			
ECTION 9: Generator's Certification	,			
he information contained herein is based on bove and attached description is complete and eliberate or willful omissions of composition prisclosed. I certify that the materials tested are re-	Constice eviet and the same	IOMIAGE BUG MI	lity to determine	rity that the that no een
Authorized Signature :		Date	16/6	
rinted Name / Title:	o Salin Cleaning	1 1 1	The second section of the second	
ES USE ONLY (DO NOT WRITE IN THIS SPACE	(3)	Additor	al information	
Compliance Officer: Polyphoth Than	ala [			
hate: 2-6-06 Status: (Appro	oved Rejected		`.	
pproval Number: 136	3		:	
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and the second s				
713 676 1676 P.03	nmental Service	CE2 ENAILO	60:60	FEB-06-2006

SEC	SECTION 10: Waste Receipt Classification Under 40 CFR 437	and the state of t
Is thi	Is this material a wastewater or wastewater sludge?	and the second s
If 'YE	If 'YES', complete this section	The American State of the Control of
PLE	PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, G	
	Matals Subcategory: Subpart A	
Mate	Spent electroplating baths and/or sludges	All with the second of the sec
	Metal finishing rinse water and sludges	
ساد ساداد	Chromate wastes	
	Air pollution control blow down water and sludges	
· Ĥ	Spent anodizing solutions	
	Incineration wastewaters	A TOTAL TO
	Waste liquid mercury	and the state of t
. [	Cyanide-containing wastes greater than 136 mg/l	internación de la companya de la companya de la companya de la companya de la companya de la companya de la co Companya de la companya
		ina kalendrija koji i sistema prima prima i prima prima prima prima prima prima prima prima prima prima prima p Na traka prima prima prima prima prima prima prima prima prima prima prima prima prima prima prima prima prima
' H	Cleaning, rinsing, and surface preparation solutions from electroplating or pho-	the control of the co
		selent freezintes
, <b>□</b>	\$	der Region State in der State in der State in der State in der State in der State in der State in der State in Die State in der State in der State in der State in der State in der State in der State in der State in der St
لـا	Alkaline and acid solutions used to clean metal parts or equipment	of particular dates is the countries of
01-	Colle Cuberta manual Cutarest C	
Ulis	Oils Subcategory: Subpart B  Used oils	
	Oil-water emulsions or mixtures	The state of the s
	Lubricants	
	Conteminated groundwater clean up from netraleum assurace	
	Contaminated groundwater clean-up from petroleum sources	
	Used petroleum products	
	Oil spill clean-up	
	Bilge water	
	Rinse/wash waters from petroleum sources	
	Interceptor wastes	
	Off-specification fuels	
	Underground storage remediation wastes	
	Tank clean-out from petroleum or oily sources	•
	Non-contact used glycols	
	Aqueous and oil mixtures from parts cleaning operations	
	Wastewater from oil bearing paint washes	
<b>^</b>	0	
Orga	Organics Subcategory Subpart C  Landfill leachate	
	<del></del>	
	Contaminated groundwater clean-up from non-petroleum sources	
	Solvent-bering wastes	
	Off-specification organic product	
	Still bottoms	
	Byproduct waste glycol	
	Wastewater from paint washes	
	Wastewater from adhesive and/or epoxies formulation	
	Wastewater from organic chemical product operations	

Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or	r in excess of 100 mg/L, the	waste should be classified in the oils subca	tegory
(2)		than 100 mg/L, and has an	y of the pollutants listed below in concentrat the metals subcategory	
	_			
(3)	If the waste contains oil and grease less or nickel above any of the values listed a		ot have concentrations of cadmium, chromit classified in the organics subcategory.	ım, copper,
	<ul><li>☐ Metals Subcategory</li><li>☐ Oils Subcategory</li><li>☐ Organics Subcategory</li></ul>		et e Magadeda. 1986 - Magaded 1986 - Gardan Santa, ar e	
	•			

# **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

#### Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To: Sent:

<mbowman@cesenvironmental.com> Thursday, June 23, 2005 9:25 AM

Subject:

**PARAFFIN WAX** 

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 09:24 AM -----

Cover Sheet: French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

CIN NUMBER:

0274-12

STCC NUMBER:

2911990

# **Material Safety Data Sheet**

100 PALE PARAFFIN

EXXON COMPANY, U.S.A

A DIVISION OF EXXON CORPORATION

DATE ISSUED:

03/22/99

SUPERSEDES DATE: 01/24/97

MATERIAL SAFETY DATA SHEET

-----SECTION 1: PRODUCT AND COMPANY IDENTIFICATION -----

COMPANY: EXXON COMPANY, U.S.A.

P.O. BOX 2180

HOUSTON, TX 77252-2180

PRODUCT NAME: 100 PALE PARAFFIN

PRODUCT CODE: 311305-01305

PRODUCT CATEGORY: PETROLEUM LUBRICATING OIL BASE STOCK

MEDICAL EMERGENCY TELEPHONE NUMBER: (713) 656-3424

TRANSPORTATION EMERGENCY TELEPHONE NUMBERS:

(BAYTOWN) (281) 834-3296

(CHEMTREC) 1-800-424-9300

PRODUCT INFORMATION AND TECHNICAL ASSISTANCE: 1-800-443-9966

FAXED MSDSS: 1-800-298-4007 MAILED MSDSS OR OTHER ASSISTANCE: (713) 656-5949

----SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS -----

CAS NO. OF

APPROXIMATE

STATES AND SERVICE STATES

COMPONENTS

DISTILLATES (PETROLEUM), SOLVENT-

COMPONENTS CONCENTRATION 64742-65-0 100%

DEWAXED HEAVY PARAFFINIC

OR

DISTILLATES (PETROLEUM), HYDROTREATED

64742-54-7

HEAVY PARAFFINIC

SEE SECTION 8 FOR EXPOSURE LIMITS

-----SECTION 3: HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW

and the state of the state of

OSHA REQUIRED LABEL INFORMATION:

IN COMPLIANCE WITH HAZARD AND RIGHT-TO-KNOW REQUIREMENTS, WHERE APPLICABLE OSHA HAZARD WARNINGS MAY BE FOUND ON THE LABEL, BILL OF LADING OR INVOICE ACCOMPANYING THIS SHIPMENT.

NOTE: PRODUCT LABEL MAY CONTAIN NON-OSHA RELATED INFORMATION ALSO.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH

0

FLAMMABILITY 1

REACTIVITY

BASIS

RECOMMENDED BY EXXON

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION

HEALTH.

FLAMMABILITY 1 REACTIVITY

BASIS

RECOMMENDED BY EXXON

#### VARIABILITY AMONG INDIVIDUALS:

O

HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS AND SYNTHETIC LUBRICANTS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED.

EFFECTS OF OVEREXPOSURE (SIGNS AND SYMPTOMS OF EXPOSURE): PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION.

PRE-EXISTING MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE: NONE RECOGNIZED

-----SECTION 4: FIRST AID MEASURES -----

EYE CONTACT:

IF SPLASHED INTO THE EYES, FLUSH WITH CLEAR WATER FOR 15 MINUTES OR UNTIL

IRRITATION SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

#### SKIN:

IN CASE OF SKIN CONTACT, REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. LAUNDER OR DRY-CLEAN CLOTHING BEFORE REUSE. IF PRODUCT IS INJECTED INTO OR UNDER THE SKIN, OR INTO ANY PART OF THE BODY, REGARDLESS OF THE APPEARANCE OF THE WOUND OR ITS SIZE, THE INDIVIDUAL SHOULD BE EVALUATED IMMEDIATELY BY A PHYSICIAN AS A SURGICAL EMERGENCY. EVEN THOUGH INITIAL SYMPTOMS FROM HIGH PRESSURE INJECTION MAY BE MINIMAL OR ABSENT, EARLY SURGICAL TREATMENT WITHIN THE FIRST FEW HOURS MAY SIGNIFICANTLY REDUCE THE ULTIMATE EXTENT OF

#### . INHALATION:

VAPOR PRESSURE IS VERY LOW. VAPOR INHALATION UNDER AMBIENT CONDITIONS IS NORMALLY NOT A PROBLEM. IF OVERCOME BY VAPOR FROM HOT PRODUCT, IMMEDIATELY REMOVE FROM EXPOSURE AND CALL A PHYSICIAN. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION; ADMINISTER OXYGEN, IF AVAILABLE. IF OVEREXPOSED TO OIL MIST, REMOVE FROM FURTHER EXPOSURE UNTIL EXCESSIVE OIL MIST CONDITION SUBSIDES.

# INGESTION:

IF INGESTED, DO NOT INDUCE VOMITING; CALL A PHYSICIAN IMMEDIATELY.

-----SECTION 5: FIRE-FIGHTING MEASURES -----

FLASH POINT (MINIMUM): 179 DEG. C (355DEG. F) ASTM D 92, CLEVELAND OPEN CUP

AUTOIGNITION TEMPERATURE: GREATER THAN 232 DEG. C (450 DEG. F)

FLAMMABLE OR EXPLOSIVE LIMITS (APPROXIMATE PERCENT BY VOLUME IN AIR): ESTIMATED VALUES:
LOWER FLAMMABLE LIMIT 0.9%

LOWER FLAMMABLE LIMIT 0.98 UPPER FLAMMABLE LIMIT 78

#### EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES:

FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CARBON DIOXIDE AND VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS MAY ALL BE SUITABLE FOR EXTINGUISHING FIRES INVOLVING THIS TYPE OF PRODUCT, DEPENDING ON SIZE OR POTENTIAL SIZE OF FIRE AND CIRCUMSTANCES RELATED TO THE SITUATION. PLAN FIRE PROTECTION AND RESPONSE STRATEGY THROUGH CONSULTATION WITH LOCAL FIRE PROTECTION AUTHORITIES OR APPROPRIATE SPECIALISTS.

THE FOLLOWING PROCEDURES FOR THIS TYPE OF PRODUCT ARE BASED ON THE RECOMMENDATIONS IN THE NATIONAL FIRE PROTECTION ASSOCIATION'S "FIRE PROTECTION GUIDE ON HAZARDOUS MATERIALS", TENTH EDITION (1991):

USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE TO EXTINGUISH THE FIRE.
USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A LEAK OR SPILL HAS NOT
IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR
PERSONS ATTEMPTING TO STOP A LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY
FROM EXPOSURES. MINIMIZE BREATHING OF GASES, VAPOR, FUMES OR DECOMPOSITION
PRODUCTS. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES
OR AS OTHERWISE NEEDED.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:
FUMES, SMOKE, CARBON MONOXIDE, SULFUR OXIDES, ALDEHYDES AND OTHER DECOMPOSITION
PRODUCTS, IN THE CASE OF INCOMPLETE COMBUSTION.

-----SECTION 6: ACCIDENTAL RELEASE MEASURES -----

CLEAN WATER ACT / OIL POLLUTION ACT:

THIS PRODUCT MAY BE CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT, AND UNDER THE OIL POLLUTION ACT. DISCHARGES OR SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (1-800-424-8802).

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

RECOVER FREE PRODUCT. ADD SAND, EARTH, OR OTHER SUITABLE ABSORBENT TO SPILL

AREA. MINIMIZE SKIN CONTACT. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY

DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER

SEWERS, WATERCOURSES, OR EXTENSIVE LAND AREAS.

ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

-----SECTION 7: STORAGE AND HANDLING -----

HANDLING PRECAUTIONS:

and the state of

USE PRODUCT WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME.

"EMPTY" CONTAINER WARNING:

"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

DO NOT ATTEMPT TO REFILL OR CLEAN CONTAINERS SINCE RESIDUE IS DIFFICULT TO REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

FOR WORK ON TANKS REFER TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, ANSI Z49.1, AND OTHER GOVERNMENTAL AND INDUSTRIAL REFERENCES PERTAINING TO CLEANING, REPAIRING, WELDING, OR OTHER CONTEMPLATED OPERATIONS.

-----SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION -----

EXPOSURE LIMIT FOR TOTAL PRODUCT

BASIS

5 MG/M3 FOR OIL MIST (AEROSOL) FOR AN 8-HOUR WORKDAY

OSHA REGULATION 29 CFR 1910.1000 AND RECOMMENDED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH). ACGIH STATES THAT THE AIR IS TO BE SAMPLED BY A METHOD THAT DOES NOT COLLECT VAPOR; IN ADDITION, IT LISTS A 10 MG/M3 STEL.

#### VENTILATION:

USE LOCAL EXHAUST TO CAPTURE VAPOR, MISTS OR FUMES, IF NECESSARY. PROVIDE VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAPOR IN AIR. NO SMOKING, OR USE OF FLAME OR OTHER IGNITION SOURCES.

#### RESPIRATORY PROTECTION:

USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

#### PROTECTIVE GLOVES:

USE CHEMICAL-RESISTANT GLOVES, IF NEEDED, TO AVOID PROLONGED OR REPEATED SKIN CONTACT.

EYE PROTECTION: USE SPLASH GOGGLES OR FACE SHIELD WHEN EYE CONTACT MAY OCCUR.

1.45% 3.41.1.1.1.1.1

#### OTHER PROTECTIVE EQUIPMENT:

USE CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING, IF NEEDED, TO AVOID CONTAMINATING REGULAR CLOTHING, WHICH COULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT.

#### WORK PRACTICES / ENGINEERING CONTROLS:

TO PREVENT FIRE OR EXPLOSION RISK FROM STATIC ACCUMULATION AND DISCHARGE, EFFECTIVELY BOND AND/OR GROUND PRODUCT TRANSFER SYSTEM IN ACCORDANCE WITH (THE) NATIONAL FIRE PROTECTION ASSOCIATION PUBLICATIONS.

KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.

IN ORDER TO PREVENT FIRE OR EXPLOSION HAZARDS, USE APPROPRIATE EQUIPMENT.

INFORMATION ON ELECTRICAL EQUIPMENT APPROPRIATE FOR USE WITH THIS PRODUCT MAY BE FOUND IN THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA-70). THIS DOCUMENT IS AVAILABLE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION, BATTERYMARCH PARK, QUINCY, MASSACHUSETTS 02269.

#### PERSONAL HYGIENE:

MINIMIZE BREATHING VAPOR, MIST OR FUMES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. REMOVE CONTAMINATED CLOTHING; LAUNDER OR DRY-CLEAN BEFORE RE-USE. REMOVE CONTAMINATED SHOES AND THOROUGHLY CLEAN BEFORE RE-USE; DISCARD IF OIL-SOAKED. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS, AND AT END OF WORK PERIOD. PRODUCT IS READILY REMOVED FROM SKIN BY WATERLESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY WITH SOAP AND WATER.

----SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES -----

THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.

BOILING RANGE: IBP APPROXIMATELY 277 DEG. C (530 DEG. F) BY ASTM D 2887

SPECIFIC GRAVITY (15.6 DEG. C/15.6 DEG. C): 0.87

MOLECULAR WEIGHT: NOT DETERMINED

PH: ESSENTIALLY NEUTRAL

POUR, CONGEALING OR MELTING POINT: -15 DEG. C (5 DEG. F) POUR POINT BY ASTM D 97

VISCOSITY: 106 SSU @ 100 DEG. F

VAPOR PRESSURE: LESS THAN 0.01 mm Hg @ 20 DEG. C

VAPOR DENSITY (AIR = 1): GREATER THAN 5

PERCENT VOLATILE BY VOLUME:
NEGLIGIBLE FROM OPEN CONTAINER IN 4 HOURS @ 38 DEG. C (100 DEG. F)

EVAPORATION RATE @ 1 ATM. AND 25 DEG. C (77 DEG. F) (N-BUTYL ACETATE = 1): LESS THAN 0.01

SOLUBILITY IN WATER @ 1 ATM. AND 25 DEG. C (77 DEG. F): NEGLIGIBLE; LESS THAN 0.1%

PRODUCT APPEARANCE AND ODOR: CLEAR LIQUID, LIGHT YELLOW COLOR MILD, BLAND PETROLEUM ODOR

-----SECTION 10: STABILITY AND REACTIVITY -----

THIS PRODUCT IS STABLE AND WILL NOT REACT VIOLENTLY WITH WATER. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. AVOID CONTACT WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE, CALCIUM HYPOCHLORITE, ETC., AS THIS PRESENTS A SERIOUS EXPLOSION HAZARD.

-----SECTION 11: TOXICOLOGICAL INFORMATION -----

NATURE OF HAZARD AND TOXICITY INFORMATION:
REPEATED AND PROLONGED OVEREXPOSURE TO OIL MISTS MAY RESULT IN DROPLET
DEPOSITION, OIL GRANULOMA FORMATION, INFLAMMATION AND INCREASED INCIDENCE OF
INFECTION

IN ACCORDANCE WITH THE CURRENT OSHA HAZARD COMMUNICATION STANDARD CRITERIA, THIS PRODUCT DOES NOT REQUIRE A CANCER HAZARD WARNING. THIS IS BECAUSE THE PRODUCT IS FORMULATED FROM BASE STOCKS WHICH ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION.

ALTERNATIVELY, IT MAY CONSIST OF COMPONENTS NOT OTHERWISE AFFECTED BY IARC CRITERIA, SUCH AS ATMOSPHERIC DISTILLATES OR SYNTHETICALLY DERIVED MATERIALS, AND AS SUCH IS NOT CHARACTERIZED BY CURRENT IARC CLASSIFICATION CRITERIA.

PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS TO REMOVE SKIN OILS, POSSIBLY LEADING TO IRRITATION AND DERMATITIS; HOWEVER, BASED ON HUMAN EXPERIENCE AND AVAILABLE TOXICOLOGICAL DATA, THIS PRODUCT IS JUDGED TO BE NEITHER A "CORROSIVE" NOR AN "IRRITANT" BY OSHA CRITERIA.

PRODUCT CONTACTING THE EYES MAY CAUSE EYE IRRITATION.

fage 6 vin

PRODUCT HAS A LOW ORDER OF ACUTE ORAL AND DERMAL TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY AND POSSIBLY DEATH.

THIS PRODUCT IS JUDGED TO HAVE AN ACUTE ORAL LD50 (RAT) GREATER THAN 5 G/KG OF BODY WEIGHT, AND AN ACUTE DERMAL LD50 (RABBIT) GREATER THAN 3.16 G/KG OF BODY WEIGHT.

\_\_\_\_\_SECTION 12: ECOLOGICAL INFORMATION -----

1945

DO NOT DISCHARGE THIS PRODUCT INTO PUBLIC WATERS OR WATERWAYS UNLESS AUTHORIZED

BY A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ISSUED BY

THE ENVIRONMENTAL PROTECTION AGENCY (EPA).

ENVIRONMENTAL AND ECOLOGICAL DATA MAY BE AVAILABLE FOR THIS PRODUCT. WRITE OR CALL EXXON TO OBTAIN FURTHER INFORMATION. REFER TO SECTION 6 AND SECTION 15 FOR ACCIDENTAL RELEASE INFORMATION AND REGULATORY REPORTING INFORMATION.

-----SECTION 13: DISPOSAL CONSIDERATION -----

OPTIONS FOR DISPOSAL OF THIS PRODUCT MAY DEPEND ON THE CONDITIONS UNDER WHICH IT WAS USED. TO DETERMINE THE PROPER METHOD OF DISPOSAL, REFER TO RCRA (40 CFR 261), AS WELL AS FEDERAL EPA AND STATE AND LOCAL REGULATIONS.

PLEASE REFER TO SECTIONS 5, 6 AND 15 FOR ADDITIONAL INFORMATION.

-----SECTION 14: TRANSPORTATION INFORMATION -----

TRANSPORTATION INCIDENT INFORMATION:
FOR FURTHER INFORMATION RELATIVE TO SPILLS RESULTING FROM TRANSPORTATION
INCIDENTS, REFER TO LATEST DEPARTMENT OF TRANSPORTATION EMERGENCY RESPONSE
GUIDEBOOK FOR HAZARDOUS MATERIALS INCIDENTS.

U.S. DOT HAZARDOUS MATERIALS SHIPPING DESCRIPTION: NOT REGULATED

-----SECTION 15: REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA SECTIONS 301-304):

NO TPQ FOR PRODUCT OR ANY CONSTITUENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA SECTION 313): NO TOXIC CHEMICAL IS PRESENT GREATER THAN 1% OR 0.1% (CARCINOGEN).

HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA SECTIONS 311-312): EPA HAZARD CLASSIFICATION CODE: NOT APPLICABLE

TOXIC SUBSTANCES CONTROL ACT (TSCA):
THIS PRODUCT, AS MANUFACTURED BY EXXON, DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS (PCB'S).

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE U.S. TSCA INVENTORY.

-----SECTION 16: OTHER INFORMATION -----

THE HEALTH AND SAFETY INFORMATION PRESENTED HEREIN MUST BE USED IN CONJUNCTION WITH THE PERTINENT STANDARDS FOR TRAINING, WORK PRACTICES AND FACILITIES DESIGN ESTABLISHED BY OSHA, NIOSH, NFPA, API, NEC, NSC, UNDERWRITERS, BUREAU OF MINES, AND SIMILAR ORGANIZATIONS.

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE, TO THE BEST OF EXXON'S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE ISSUED. EXXON DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY OR RELIABILITY, AND EXXON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING OUT OF THE USE THEREOF.

THE INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER'S CONSIDERATION AND EXAMINATION, AND IT IS THE USER'S RESPONSIBILITY TO SATISFY ITSELF THAT THEY ARE SUITABLE AND COMPLETE FOR ITS PARTICULAR USE. IF BUYER REPACKAGES THIS PRODUCT, LEGAL COUNSEL SHOULD BE CONSULTED TO INSURE PROPER HEALTH, SAFETY AND OTHER NECESSARY INFORMATION IS INCLUDED ON THE CONTAINER.

THE ENVIRONMENTAL INFORMATION INCLUDED UNDER SECTION 15 HEREOF AS WELL AS THE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS HAVE BEEN INCLUDED BY EXXON COMPANY, U.S.A. IN ORDER TO PROVIDE ADDITIONAL HEALTH AND HAZARD CLASSIFICATION INFORMATION. THE RATINGS RECOMMENDED ARE BASED UPON THE CRITERIA SUPPLIED BY THE DEVELOPERS OF THESE RATING SYSTEMS, TOGETHER WITH EXXON'S INTERPRETATION OF THE AVAILABLE DATA.

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

August 24, 2007

CES Environmental Services, Inc. 4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

To Whom It May Concern:

This letter is regarding the profile number 1363 for GATX in Hearns, TX. We would like to amend one of the constituents, Stearic acid 0-100% on this profile. If you have any questions please feel free to contact me at 979-279-7053.

Sincerely,

Ricardo Salifa Safety and Invironmental Supervisor



Version:

1.3

INDUSTRENE® 7018

Date of Issue:

06/27/2007

Date printed:

08/02/2007

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

INDUSTRENE® 7018

Chemical name:

Stearic acid

Use of substance/preparation:

Lubricant

Supplier:

Chemtura Corporation 199 Benson Road

Middlebury, CT 06749 USA

**Emergency telephone** 

CHEMTREC (24 hours) 800-424-9300

number:

Chemtura Corporation Emergency Response (24 hours) 800-292-5898

Environmental, Health and

Safety Department:

866-430-2775

**Customer Service:** 

877-948-2660

Prepared by

Product Safety Department

Date of Issue: 06/27/2007

(US) +1 866-430-2775 (EU) +44 (0) 1753.603.000

Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

MOLTEN PRODUCT MAY CAUSE THERMAL BURNS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT

% BY WEIGHT

Octadecanoic acid CAS# 57-11-4

(M)SDS# 000000022358

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#### 4. FIRST AID MEASURES

<u>Swallowing</u>
No emergency care anticipated.

#### Inhalation

Remove to fresh air.

#### Skin contact

Wash skin with soap and water. WHEN MOLTEN ONLY (molten product can cause thermal burns) - Cool with water or ice.

Eye contact
WHEN MOLTEN ONLY (molten product can cause thermal burns) - Flush eyes thoroughly with water for several minutes. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

Flash point:

390 °F

199°C

Autoignition temperature:

No data available.

#### Hazardous combustion products

Carbon dioxide.

#### Special fire fighting procedures

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

Special protective equipment for firefighters

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective

#### Extinguishing media

#### Extinguish with:

- dry chemical
- water spray - CO2
- foam

#### 6. ACCIDENTAL RELEASE MEASURES

#### **Environmental precautions**

This product is insoluble in water and will float on the surface.

#### Methods for cleaning up

Transfer liquids and solid diking material to suitable containers for recovery or disposal.

Allow remaining liquid to solidify, then shovel into containers.

Observe government regulations.

#### 7. HANDLING AND STORAGE

#### Handling precautions

Exercise suitable precautions to avoid thermal burns., Product is normally maintained in a heated, liquid form.

#### STORAGE

Storage requirements
Normal precautions common to good safety practice should be followed in storage.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMIT VALUES** 

Component Octudecunoic acid	Country USA	Type PEL, OSHA	5 mg/m3 Value	Remark Respirable dust
		PEL, OSHA	15 mg/m3	Total dust
		TWA, ACGIH	10 mg/m3	Total dust for nuisance particulates

#### PERSONAL PROTECTION

Respiratory protection

Do not breathe hot vapors., Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Hand protection / protective gloves

Neoprene

Eve protection

Monogoggles

Skin protection

Rubber or plastic apron

#### **ENGINEERING CONTROLS**

<u>Ventilation</u>
Adequate ventilation to keep dust level below TLV.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Physical state

Solid

Color

Off-white

Odor

Slight fatty

Odor threshold

No data available.

OTHER PROPERTIES

**Boiling point** 

> 315 °C

> 600 °F

Melting point

60 - 63 °C 140 - 146 °F

Density

0.87 g/cm3 at 25 °C

Vapor pressure

Solubility in water

Insoluble

Partitioning coefficient

No data available.

Flash point

390 °F 199 °C

Method: Cleveland open cup ASTM D 92

Autoignition temperature

No data available.

Percent volatiles

0 %(m)

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#### 10. STABILITY AND REACTIVITY

Stability: Stable.

<u>Stability</u> - Conditions to avoid: Stable under normal conditions.

Incompatible materials:

Strong oxidizing agents.

Hazardous combustion products:

Carbon monoxide. Carbon dioxide.

Hazardous polymerization: Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

#### GENERAL

No information available. SWALLOWING Acute effects Low acute toxicity.

#### SKIN ABSORPTION

Acute effects Low acute toxicity.

#### INHALATION

Acute effects

Vapor or mist from heated material may cause irritation of the respiratory tract.

#### SKIN CONTACT

Acute effects

WHEN MOLTEN ONLY (molten product can cause thermal burns).

#### **EYE CONTACT**

Acute effects

Molten product may cause thermal burns.

#### 12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms.

#### 13. DISPOSAL CONSIDERATIONS

General:

It is our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product., Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

#### Non-cleaned packages

Dispose of washing solution in the same way as product.

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#### 14. TRANSPORT INFORMATION

#### **DOT Classification**

This product is not regulated by DOT.

Not regulated by ground or rail if shipped or transported at temperatures under 212 °F (100 °C) or in containers less than 450 liters (119 US gal). If shipped or transported at temperatures over 100°C (212°F) and in containers greater than 450 liters (119 gal) regulated as: ELEVATED TEMPERATURE LIQUID, N.O.S., Class 9, UN 3257, PGIII, ERG 128.

Proper shipping name:

ELEVATED TEMPERATURE LIQUID, N.O.S.

Class:

9

UN ID #:

UN3257

Packing group:

III

#### **IMDG Classification**

This product is not regulated by IMDG.

#### ICAO Classification

This product is not regulated by ICAO.

#### 15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RO's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

\*\*\*\*\* NONE \*\*\*\*\*

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name Octadecanoic acid CAS# 57-11-4 New Jersey TS Number

EPA Hazard Categories (SARA 311, 312):

None

California Proposition 65

\*\*\* NONE \*\*\*\*

CHEMICAL INVENTORY

Canada:

This product is on the DSL.
This product is on the EINECS inventory. 200-313-4

Europe: United States:

This product is on the TSCA inventory.

Australia:

This product is on the AICS inventory.
This product is on the IECSC Inventory.

<u>China:</u> Japan:

This product is on the ENCS inventory.

Korea: Philippines: This product is listed on the Existing Chemicals List (ECL).
This product, or the components, is listed or exempt from listing on the Philippines Inventory of Chemicals

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and Chemical Substances (PICCS).

#### 16. OTHER INFORMATION

FURTHER INFORMATION
MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

#### HMIS RATING

Health: 1	Flammability: 1	Reactivity: 0	PPI:	
STP	Stand	ard temperature and pressure		
W/W	Weigl 0 (HN	nt/Weight IIS)		
I (HMIS)	Slight	hazard		
2 (HMIS)	Mode	rate hazard	······································	
3 (HMIS)	Seriou	is hazard		
4 (HMIS)	Severe	: hazard	······································	
X (HMIS)	Person	nal protection rating to be supplied by user de	pending on use conditions	

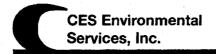
Copyright 2007 Chemtura Corporation

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.

CES Environmental Services, Inc.

# **CES Profile Modification Form**

Date:5-12-08
Profile Number:1363
Generator: GATX Hearne
Sales Representative: <u>Dana Carter</u>
Requested Modification:  Addition of solidified MDI 0-100% to components
Reason for Request Customer generated 5 drums during the cleaning of a rail car
Note: Copy of Original Profile must be attached along with any Lab Analysis.
Changes Approved By:  If changes are not approved, a Profile Discrepancy Form will be completed.
Date changes entered into Access Database: 5-19-08



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	ator Information							
Company:	GATX (Hearne)							
Address :	1401 W. Brown St. PO	Box 969						
City, State, Zip:	Hearne TX 77859							
Contact:	Ricardo Salias			Title :	HS&E Mana	ager		
Phone No:	(979) 279-3481	·		Fax:				
24 / HR Phone:	(979) 279-7020			~				
U.S EPA I.D No:	TXD000835207			_				
State I.D:	32643			SIC Code				
SECTION 2: Billing	Information							
Company:	GATX (Hearne)							
Address :	1401 W. Brown St. PO	Box 969						
City, State, Zip:	Hearne TX 77859					<u> </u>		
Contact:	Ricardo Salias			Title:	HS&E Mana	ager		
Phone No:	(979) 279-3481			Fax:				
	al Description of the Wast							
Name of Waste :	Class 1 NH Waste Solid	is						
<b>Detailed Descript</b>	tion of the Process Ger	nerating Waste:						
Removal of non-ha	azardous heels from raile	cars.						
Physical State :	Liquid	Sludge	Por	wder				
	<b>✓</b> Solid	Filter Cake	Co	mbination				
Color:	· .	Dark	Odor :			None		
Specific Gravity (	Water=1) :	N/A	Density:			N/A	lb	s / gal
Does this material	contain any total phenolic	compounds?	Yes	□No				
	contain any para substitut	-	_	Yes	∭ No			
Layers :	✓ Single-Phas	Multi-Phase	•					
Container Type :	Drum .	Tote	Truck	Other (exp	olain)			
Container Size :	55							
Number Of Units	:35							
Texas State Wast	te Code No :	99074091				v.		
Proper U.S. State	Waste Code No :		Non-RCRA/N	on DOT reg	ulated waste	solids		
Clace ·	LIN/ALA	•	D.C	· •				

Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
>200	3-11	<20 mg/l	<20mg/l	100 %
Oil and Grease	TOC	Zinc	Copper	Nickel
>1500 mg/l	N/A mg/l	N/Amg/l	N/A mg/l	N/A mg/l

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Paraffin Wax	50-100	%
Asphalt	50-100	%
Stearic acid	0-100	%

**SECTION 5: Safety Related Data** 

If the handling of this waste requires the use of special protective equipment, please explain.  Standard PPE Required
SECTION 6: Attached Supporting Documents
List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS
SECTION 7: Incompatibilities
Please list all incompatibilities (if any):
None
SECTION 8: Generator's Knowledge Documentation
Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon th

following generators knowledge

**TCLP Metals:** 

TCLP Metals are below regulatory limits

**TCLP Volatilies:** 

TCLP Volatiles are below regulatory limits

**TCLP Semi-Volatiles:** 

TCLP Semi-Volatiles are below regulatory limits

Reactivity:

No reactive materials are present

Corrosivity:

pH is neutral

Ignitability:

No ignitable materials are present

**SECTION 9: Generator's Certification** 

The information contained herein is based on 🗹 generator knowledge and/or 🗀 analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature :		Date :	2/6/2006
Printed Name / Title :	Ricardo Salias / Clelaning Supervisor		

CES	USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information :
		\$75/drum, \$200/load (plus f.s.c.) transportation
Cor	npliance Officer : Prabhakar Thangudu	
Date	e: 1/10/2008 Status: Approved Rejected	
App	roval Number: 1363	
SECT	ION 10: Waste Receipt Classification Under 40 CFR 437	
	s material a wastewater or wastewater sludge ? YES V NO	
	• — —	
	S', complete this section	
PLE/	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGO	ORY, GO TO THE NEXT PAGE
Mata	ls Subcategory: Subpart A	
	Spent electroplating baths and/or sludges	
	Metal finishing rinse water and sludges	
	Chromate wastes	
	Air pollution control blow down water and sludges	
	Spent anodizing solutions	
	Incineration wastewaters	
	Waste liquid mercury	
	Cyanide-containing wastes greater than 136 mg/l	
	Waste acids and bases with or without metals	
	Cleaning, rinsing, and surface preparation solutions from electroplating	or phospha
	Vibratory deburring wastewater	
	Alkaline and acid solutions used to clean metal parts or equipment	
Oils :	Subcategory: Subpart B	
	Used oils	
	Oil-water emulsions or mixtures	
	Lubricants	
<u>.</u> .	Coolants	•
	Contaminated groundwater clean-up from petroleum sources	
	Used petroleum products	
	Oil spill clean-up	
	Bilge water	
	Rinse/wash waters from petroleum sources	
	Interceptor wastes	
	Off-specification fuels	
	Underground storage remediation wastes	
	Tank clean-out from petroleum or oily sources	
	Non-contact used glycols	
	Aqueous and oil mixtures from parts cleaning operations	
	Wastewater from oil bearing paint washes	
Orga	nics Subcategory Subpart C	
	Landfill leachate	
	Contaminated groundwater clean-up from non-petroleum sources	
	Solvent-bering wastes	

· [	Off-specification organic product
. [	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources
(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



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(30089687/MDS GEN US/EN)

#### 1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300 BASF HOTLINE: 1-800-832-HELP

Molecular weight:

360 g/mol

Chemical family: Synonyms: aromatic isocvanates

POLYMETHYLENE POLYPHENYLISOCYANATE

#### 2. Composition/information on ingredients

CAS Number 101-68-8

Content (W/W)

Chemical name

26447-40**-**5

38.0 % < 10.0 % Diphenylmethane-4,4'-diisocyanate (MDI) MDI Mixed Isomers

0 %

9016-87-9

< 55.0 %

P-MDI

#### 3. Hazard identification

#### **Emergency overview**

CAUTION: CONTAINS DIPHENYLMETHANE DIISOCYANATE (CAS No. 101-68-8). INHALATION OF MDI MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHLESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYANATES HAS BEEN HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING.

#### Potential health effects

#### Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

#### Acute toxicity:

Information on: MDI

Inhalation of MDI vapors may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. Airborne overexposure well above the PEL may result additionally in eye irritation, headache, chemical bronchitis, asthma-like findings or pulmonary edema. Isocyanates have also been reported to

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cause hypersensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may bedelayed. Gastrointestinal symptoms include nausea, vomiting and abdominal pain.

#### Irritation:

Information on: Diisocyanates

Eye contact with isocyanates may result in conjunctival irritation and mild corneal opacity. Skin contact may result in dermatitis, either irritative or allergic.

#### Repeated dose toxicity:

Information on: MDI

Results from a lifetime inhalation study in rats indicate that MDI aerosol was carcinogenic at 6 mg/m3, the highest dose tested. This is well above the recommended TLV of 5 ppb (0.05 mg/m3). Only irritation was noted at the lower concentration of 0.2 and 1 mg/m3. No birth defects or teratogenic effects were reported in a teratology study with rats exposed to 1, 4, and 12 mg/m3 polymeric MDI for 6 hr/day on days 6-15 of gestation. Embryotoxicity and fetotoxicity was reported at the top dose in the presence of maternal toxicity.

Information on: Isocyanates

As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the PEL/TLV. These symptoms, which include chest tightness, wheezing, cough, shortness of breath, or asthmatic attack, could be immediate or delayed up to several hours after exposure. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Chronic overexposure to isocyanates has also been reported to cause lung damage, including a decrease in lung function, which may be permanent. Sensitization may be either temporary or permanent. Prolonged contact can cause reddening, swelling, rash, scaling, or blistering. In those who have developed a skin sensitization, these symptoms can develop as a result of contact with very small amounts of liquid material, or even as a result of vapor-only exposure.

#### Medical conditions aggravated by overexposure:

The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing.

Medical supervision of all employees who handle or come into contact with isocyanates is recommended. Contact may aggravate pulmonary disorders.

Persons with history of respiratory disease or hypersensitivity should not be exposed to this product. Preemployment and periodic medical examinations with respiratory function tests (FEV, FVC as a minimum) are suggested.

An animal study indicated that MDI may induce respiratory hypersensitivity following dermal exposure. Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended.

#### 4. First-aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

#### lf on skin

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

#### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

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#### If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

#### Note to physician

Hazards:

Symptoms can appear later.

Antidote:

Specific antidotes or neutralizers to isocyanates do not exist.

Treatment:

Treatment should be supportive and based on the judgement of the physician in

response to the reaction of the patient.

#### 5. Fire-fighting measures

Flash point: Autoignition: 220 °C

(open cup)

No data available.

#### Suitable extinguishing media:

water, dry extinguishing media, carbon dioxide, foam

#### Hazards during fire-fighting:

nitrous gases, fumes/smoke, isocyanate, vapour

#### Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### 6. Accidental release measures

#### Personal precautions:

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

#### **Environmental precautions:**

Do not discharge into drains/surface waters/groundwater.

#### Cleanup:

Dike spillage.

For small amounts: Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide. For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal. For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes.

#### 7. Handling and storage

#### **Handling**

#### General advice:

If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

#### Protection against fire and explosion:

No explosion proofing necessary.

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#### **Storage**

#### General advice:

Formation of CO2 and build up of pressure possible. Keep container tightly closed and in a well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture.

#### Storage incompatibility:

General: Segregate from bases.

#### Storage stability:

Storage temperature: 60 - 80 °F Protect against moisture.

### 8. Exposure controls and personal protection

#### Components with workplace control parameters

Diphenylmethane-4,4'-

OSHA

CLV 0.02 ppm 0.2 mg/m3;

diisocyanate (MDI)

**ACGIH** 

TWA value 0.005 ppm:

#### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

#### Personal protective equipment

#### Respiratory protection:

For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place.

#### Hand protection:

Chemical resistant protective gloves, Suitable materials, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, fluoroelastomer (Viton)

#### Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

#### **Body protection:**

Suitable materials, saran-coated material

#### General safety and hygiene measures:

Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL value. Wash soiled clothing immediately. Contaminated equipment or clothing should be cleaned after each use or disposed of.

#### 9. Physical and chemical properties

Form:

liquid

Odour:

faint odour, aromatic

Colour:

dark brown

pH value:

3 °C

No data available. (1 ATM)

Freezing point: Boiling point:

200 °C

(5 mmHg) (20 °C)

Vapour pressure: Relative density: Bulk density: < 0.00001 mmHg 1.22 10.16 lb/USg

(25°C)

Viscosity, dynamic:

200 mPa.s

( 20 °C)

Revision date: 2008/03/17

Version: 5.6

Page: 5/7 (30089687/MDS GEN US/EN)

Miscibility with water:

Reacts with water.

#### 10. Stability and reactivity

#### Conditions to avoid:

Avoid moisture.

#### Substances to avoid:

water, alcohols, strong bases, Substances/products that react with isocyanates.

#### **Hazardous reactions:**

The product is chemically stable.

Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalies. Reacts with amines. Risk of exothermic reaction. Risk of violent reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.

#### **Decomposition products:**

Hazardous decomposition products: carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapours

#### Thermal decomposition:

> 260 °C

No data available.

#### Corrosion to metals:

No corrosive effect on metal.

#### 11. Toxicological information

#### **Acute toxicity**

Oral:

LD50/rat: > 10,000 mg/kg Practically nontoxic.

#### Inhalation:

LC50/rat: > 2.240 mg/l / 1 h

Moderately toxic.

#### 12. Ecological information

#### **Environmental toxicity**

#### Acute and prolonged toxicity to fish:

static

zebra fish/LC50 (24 h): > 500 mg/l Practically nontoxic.

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (24 h): > 500 mg/l

Practically nontoxic.

#### 13. Disposal considerations

#### Waste disposal of substance:

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(30089687/MDS\_GEN\_US/EN)

Incinerate or dispose of in a licensed facility.

Do not discharge substance/product into sewer system.

Container disposal:

DRUMS:

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers). Check with reconditioner to determine if decontamination is required. Decontaminate containers prior to disposal. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

#### 14. Transport information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

**IMDG** 

Not classified as a dangerous good under transport regulations

Air transport **IATA/ICAO** 

Not classified as a dangerous good under transport regulations

#### 15. Regulatory information

#### **Federal Regulations**

Registration status:

TSCA, US

released / listed

TSCA 12B

released / listed

OSHA hazard category:

ACGIH TLV established, Highly toxic - inhalation, Chronic target organ effects reported, Skin and/or eye irritant, Acute target organ effects reported, Sensitizer, OSHA PEL

established

**CERCLA RQ** 

**CAS Number** 

Chemical name

Diphenylmethane-4,4'-diisocyanate (MDI) 5000 LBS 101-68-8

SARA hazard categories (EPCRA 311/312): Acute, Chronic

**SARA 313:** 

CAS Number

Chemical name

Diisocyanates Compound Category

State regulations

State RTK

CAS Number

**Chemical name** 

State RTK

101-68-8 9016-87-9 Diphenylmethane-4,4'-diisocyanate (MDI) P-MDI

MA, NJ, PA

Revision date: 2008/03/17

Page: 7/7

Version: 5.6

(30089687/MDS GEN US/EN)

#### 16. Other information

**HMIS III rating** 

Health: 2x

Flammability: 1

Physical hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

#### Local contact information

1-800-888-3342

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BASE CORPORATION WILL NOT MAKE ITS PRODUCTS AVAILABLE TO CUSTOMERS FOR USE IN THE MANUFACTURE OF MEDICAL DEVICES WHICH ARE INTENDED FOR PERMANENT IMPLANTATION IN THE HUMAN BODY OR IN PERMANENT CONTACT WITH INTERNAL BODILY TISSUES OR FLUIDS.

**END OF DATA SHEET** 

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713 676 #76 P.04/04



4904 Griggs Road Housten, TX 77021 Tel. (7, 3) 676-1480 Fax. (7, 3) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #:

1366

Customer:

GATX (Hearne)

Waste Generator:

GATX (Hearne)

Waste Stream Name:

Non-hazardous Class 2 Sludge

**Expiration Date:** 

2/3/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified in non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Appropriate Box)

- 1) No changes, please recertify.
- El Please send new profile as waste stream has changed.

Salias

Customer Name

Signature

Company / Title

1/10/8

Date

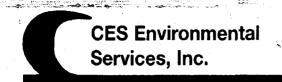
Analysis is NOT required for recumification.

- The following analysis is required for recertification.

  Please sumbit results of the following tests.
  - 11 TCLP Metals
  - I.I TCLP Volatiles
  - [] TCLP Semi-volatiles
  - 11 Reactivity
  - 11 Corresivity
  - [ Ignitability

SU

TOTAL P.04



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear - Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1366

Generator: GATX (Hearne)

Address: P.O. Box 969

Hearne, TX 77859

**Waste Information** 

Name of Waste: Non-hazardous Class 2 Sludge

**TCEQ Waste Code #: 99366092** 

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Removal of heels (Non-haz) from railcars, including rust and rinse/steam water. Also, di

**Odor:** Hydrocarbon

**pH:** 3-11

sand and absorbents contaminated with these products.

Physical State: Sludge

Color: Dark

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information						
Company :	GATX (Hearne)						
Address :	P.O. Box 969						
City, State, Zip :	Hearne TX 77859						
Contact:	Ricardo Salias	<u></u>	Title :	HS	&E Manager	* \$4.54	
Phone No :	(979) 279-7020		Fax:	(97	9) 279-5664		
24 / HR Phone:	(979) 279-7020					<del>-</del>	
U.S EPA I.D No :	TXD000835207				•		
State I.D :	32643	<del></del>	SIC C	ode	E		
	14			•			_
SECTION 2: Billing	Information				Section From		
Company :	GATX (Hearne)				4		· —
Address :	P.O. Box 969					-	
City, State, Zip:	Hearne TX 77859				SA PARKET	to the second	
Contact :	Ricardo Salias	:	Title :	HS	&E Manager		- :
Phone No :	(979) 279-7020		Fax :	(97	9) 279-5664		
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	Non-hazardous Class 2	- · · · · · · · · · · · · · · · · · · ·	············				
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**SECTION 4: Physical and Chemical Data** 

See attached list  See attached list  See attached list  See attached list  See attached list  See attached list  Balance  ECTION 5: Safety Related Data the handling of this waste requires the use of special protective equipment, please explain. special protective equipment, please explain. special protective equipment, please explain. special protective equipment, please explain. special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment, please explain. Special explain. Special protective equipment. Special explain. Special protective equipment. Special explain. Special explain. Special protective equipment. Special explain. Special explain. Special protective equipment. Special explain. Special explain. Speci	COMPONENTS TABLE  The waste consists of the following		Concent Ranges are a	
the handling of this waste requires the use of special protective equipment, please explain.  tandard PPE Required  ECTION 6: Attached Supporting Documents  ist all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.  SDS  ECTION 7: Incompatibilities  lease list all incompatibilities (if any): one Known  ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the illowing generators knowledge  CLP Metals:	Water		25-5	0 %
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		hangla		
pproval Number: 1366	pate: 2/3/2006 Status: Approv	ved Rejected		
				***

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 4	37				
ls this	material a wastewater or wastewater sludge ?	✓ YES	□ NO			
If 'YES', complete this section						
PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE						
Matals Subcategory: Subpart A						
	Spent electroplating baths and/or sludges					
	Metal finishing rinse water and sludges					
	Chromate wastes		•			
	Air pollution control blow down water and sludges	i				
. كييو	Spent anodizing solutions	. est.ors	ر این <del>د سیمی</del> نی بین ۱۹۶۰ و			
	Incineration wastewaters					
	Waste liquid mercury					
	Cyanide-containing wastes greater than 136 mg/l					
	Waste acids and bases with or without metals					
	Cleaning, rinsing, and surface preparation solutio	ns from elec	troplating or phospha			
	Vibratory deburring wastewater					
Ш	Alkaline and acid solutions used to clean metal pa	arts or equip	ment			
Oils S	ubcategory: Subpart B Used oils					
	Oil-water emulsions or mixtures					
	Lubricants					
	Coolants					
_ <u> </u>	Contaminated groundwater clean-up from petrole	um sources	S ANNUAL CO.			
	Used petroleum products	um sources				
	Oil spill clean-up					
	Bilge water					
	Rinse/wash waters from petroleum sources					
$\overline{\Box}$	Interceptor wastes	*				
	Off-specification fuels					
	Underground storage remediation wastes					
	Tank clean-out from petroleum or oily sources					
	Non-contact used glycols					
	Aqueous and oil mixtures from parts cleaning ope	rations				
	Wastewater from oil bearing paint washes					
Organ	ics Subcategory Subpart C					
	Landfill leachate	(				
	Contaminated groundwater clean-up from non-per	troleum sour	ces			
	Solvent-bering wastes					
	Off-specification organic product Still bottoms					
	Byproduct waste glycol					
	Wastewater from paint washes					
	Wastewater from adhesive and/or epoxies formula	ation				
	Wastewater from organic chemical product opera					
✓	Tank clean-out from organic, non-petroleum source			•		
. ليكيا	J.Jan out nom organio, non ponoidani douit					

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 27.5 mg/l
(3)	Nickel: 37.5 mg/L  If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego  ☑ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

11.4 JATOT

## GATX Rail Studge NON-HAZARDOUS WASTE SOLIDS (CLASS II - 99176092)

Constituents	Concentration %	
TRIETHYLENE GLYCOL	5-10	
SODIUM SILICATE	5-10	
UREA, AMMONIUM NITRATE SOLUTION	5-10	
FATTY ACID DARK TALLOW	5-10	
VEGETABLE OIL	5-10	
SOY BEAN OIL (HYDROGENATED)	5-10	
CRUDE CANOLA OIL	5-10	
MAGNESIUM CHLORIDE SOLUTION	. 5-10	
CORN OIL/MAIZE OIL	5-10	
AMMONIUM SULFATE	5-10	
MOLASSES	5-10	
KAOLIN CLAY AND WATER	5-10	
TALLOW	5-10	
LARD	5-10	
RAPE SEED OIL	5-10	
SOY BEAN OIL	5-10	
PPE/RAGS/ABOSRBENT	10-15	
RINSE WATER	10-20	

### Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To:

<mbowman@cesenvironmental.com>

Sent:

Thursday, June 23, 2005 3:19 PM

Subject:

ect: Soybean Oil

Liquids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:19 PM -----

Cover Sheet: [.]
French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

CIN NUMBER: STCC NUMBER:

1748-00

2092110

## **Material Safety Data Sheet**

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 09/11/94

MSDS NUMBER ....: 3331-GATC

PRODUCT NAME ....: SOYBEAN OIL HYDROGENATED

MSDS ID CODE ....:
MSDS OTHER CODES .:
PART NUMBERS ....:

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER ....: 3331-GATC

PRODUCT NAME ....: SOYBEAN OIL HYDROGENATED

SYNONYMS ..... SOYBEAN OIL

CHEMICAL NAME ....:

CHEMICAL FAMILY ..: VEGETABLE OIL

MANUFACTURER ....: ARCHERS DANIEL MIDLAND COMPANY

DIVISION ....:

PRODUCT CODES ....:

ADDRESS ..... 4666 FARIES PARKWAY/P.O. BOX 1470

CITY .... DECATUR
STATE .... IL
ZIP CODE .... 62526

EMERGENCY PHONE ..: 217-424-5465

CHEMTREC PHONE ...:
OTHER CALLS ....:

MSDS PREPARED BY .:

EFFECTIVE DATE ...: 09/11/94

PRINT DATE ....:
PRODUCT USE ....:

6/26/2005

TLV

(UNITS)

\*\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*

JENSEN FOODS CO.

P.O. BOX 338

BRIGHTON, CO 80601

CHEMICAL NAME AND SYNONYMS: SOYBEAN OIL

-----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

PAINTS, PRESERVATIVES, % TLV ALLOYS AND METALLIC & SOLVENTS (UNITS) COATINGS
PIGMENTS NONE BASE METAL CATALYST NONE ALLOYS

VEHICLE NONE METALLIC COATINGS
SOLVENTS NONE FILLER METAL PLUS
ADDITIVES NONE COATING OR CORE FLUX

OTHERS NONE OTHERS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

CAUTION SHOULD BE USED BY PROMPTLY DISPOSING OF OILY RAGS, ETC., TO AVOID THE POSSIBILITY OF SPONTANEOUS COMBUSTION.

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE:

SEE SIGNS AND SYMPTOMS OF EXPOSURE

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

SOYBEAN OIL IS A NON TOXIC VEGETABLE OIL (EDIBLE).

CHRONIC OVEREXPOSURE:

MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE:

POTENTIAL HEALTH EFFECTS:

EYES:

SKIN:

INGESTION:

INHALATION:

CARCINOGENICITY:

NTP:

IARC:

OSHA:

ACGIH:

OTHER:

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

FLUSH WITH WATER, ESPECIALLY EYELIDS.

SKIN:

WASH AFFECTED SKIN AREAS WITH SOAP AND WATER.

INGESTION:

INHALATION:

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT:

(% BY VOLUME)

: LOWER LIMIT:

FLASH POINT

: VALUE : 540

: DEGREES C/F: F : METHOD USED: CC

AUTOIGNITION TEMPERATURE : TEMPERATURE:

: DEGREES C/F:

EXTINGUISHING MEDIA:

WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE

FIRE FIGHTING INSTRUCTIONS:

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQULEY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

CONTAIN SPILLS AND PICK UP - USE SAND OR ABSORBENT MATERIALS; AVOID LOSSES WATER WAYS.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGGE:

MAY CLOG DRAINS. AVOID EXCESSIVE HEAT IN STORAGE TO MAINTAIN PRODUCT QUALITY. OTHER PRECAUTIONS: A COMBUSTIBLE LIQUID ABOVE FLASH POINT.

OTHER PRECAUTIONS:

----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS: LOCAL EXHAUST: NOT REQUIRED

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: SAFETY GLASSES WHERE SPLASHING OCCURS.

SKIN PROTECTION:

PROTECTIVE GLOVES: NONE

RESPIRATORY PROTECTION: NONE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

EXPOSURE GUIDELINES: NOT AVAILABLE

WORK HYGIENIC PRACTICES:

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

AMBER COLOR

ODOR:

SLIGHT CHARACTERISTIC ODOR AND TASTE

PHYSICAL STATE

PH VALUE

PH CONCENTRATION

VAPOR PRESSURE VALUE (MMHG): 0.05 MM

TEMPERATURE:

DEGREES C/F:

VAPOR DENSITY (AIR=1) : NA (LIQUID)

BOILING POINT TEMPERATURE : NA

DEGREES C/F:

MELTING POINT TEMPERATURE :

DEGREES C/F:

FREEZING POINT TEMPERATURE :

DEGREES C/F:

SOLUBILITY IN WATER:

INSOLUBLE

REACTIVITY IN WATER:

SPECIFIC GRAVITY : 0.92

DENSITY (WATER=1)

PARTICLE SIZE :

VOLATILE ORGANIC COMPOUNDS :

(VOC) CONTENT

SOFTENING POINT :

EVAPORATION RATE BASIS (=1):

RATE: NIL

BULK DENSITY

HEAT VALUE

PERCENT VOLATILE : NIL

OCTANOL/WATER PARTITION :

COEFFICIENT

SATURATED VAPOR

CONCENTRATION

MOLECULAR WEIGHT

MOLECULAR/CHEMICAL FORMULA : MIXED C-18'S

WEIGHT PER GALLON

VISCOCITY

-----SECTION 10 - STABILITY AND REACTIVITY -----

:

:

STABILITY:

STABLE

CONDITIONS TO AVOID (STABILITY):

AVOID EXCESSIVE HEATING TO MAINTAIN QUALITY

INCOMPATIBILITY WITH OTHER MATERIALS:

OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:

NONE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION):

```
-----SECTION 11 - TOXICOLOGICAL INFORMATION -----
COMPONENT
      VALUE:
 LD50
         UNIT:
        ANIMAL:
        ROUTES:
 LC50
        VALUE:
          UNIT:
        ANIMAL:
        ROUTES:
TOXICOLOGICAL INFORMATION:
-----SECTION 12 - ECOLOGICAL INFORMATION -----
ECOLOGICAL INFORMATION:
-----SECTION 13 - DISPOSAL CONSIDERATIONS -----
DISPOSAL CONSIDERATIONS:
     MATERIAL IS BIODEGRADABLE AND MAY BE TREATED VIA SANITARY WAST
     TREATMENT PLANT OR APPROVED SANITARY LANDFILL. FOLLOW FEDERAL, STATE
     OR LOCAL REGULATIONS.
-----SECTION 14 - TRANSPORT INFORMATION -----
                                  U.S. DOT
PROPER SHIPPING NAME :
HAZARD CLASS
ID NUMBER
PACKING GROUP
LABELS
                            AIR - IACO OR IATA
PROPER SHIPPING NAME :
HAZARD CLASS
ID NUMBER
PACKING GROUP
LABELS
                                WATER - IMDG
PROPER SHIPPING NAME :
HAZARD CLASS
ID NUMBER
PACKING GROUP
```

LABELS

OTHER

REPORTABLE QUANTITY : ADDITIONAL INFO :

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS:

ACUTE:

CHRONIC:

REACTIVE:

FIRE:

PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES:

**HEALTH:** 

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS CODES:

**HEALTH:** 

FLAMMABILITY:

REACTIVITY:

PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

## Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To:

<mbowman@cesenvironmental.com> Thursday, June 23, 2005 3:25 PM

Sent: Subject:

**VEGETABLE OIL** 

Liquids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:24 PM -----

Cover Sheet: [.] French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

**CIN NUMBER:** 

0434-00

STCC NUMBER:

## **Material Safety Data Sheet**

MATERIAL SAFETY DATA SHEET EFFECTIVE DATE: 12/06/94

MSDS NUMBER ....: 4819-GATC

PRODUCT NAME ....: VEGETABLE OILS OR HYDROGENATED VEGETABLE OILS

MSDS ID CODE ....: MSDS OTHER CODES .:

PART NUMBERS ....: 0434-00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER ....: 4819-GATC

PRODUCT NAME ....: VEGETABLE OILS OR HYDROGENATED VEGETABLE OILS

SYNONYMS ....:

CHEMICAL NAME ....: PREDOMINANTLY TRIGLYCERIDES OF MIXED FATTY ACIDS

OF BEGETABLE ORIGIN

CHEMICAL FAMILY ..:

MANUFACTURER ....: HONEYMEAD PRODUCT COMPANY

DIVISION ....:

PRODUCT CODES ....:

ADDRESS ..... 720 MINNEOPA ROAD

CITY ..... MANKATO STATE ..... MN

ZIP CODE ..... 56001

EMERGENCY PHONE ..:

CHEMTREC PHONE ...:

OTHER CALLS .....: 507-625-7911; 507-345-2210

MSDS PREPARED BY .:

EFFECTIVE DATE ...: 12/06/94

PRINT DATE .....:

PRODUCT USE ....:

\*\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\* MSDA REVISED 12/86 -----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----INGREDIENT NAME ..: PREDOMINANTLY TRIGLYCERIDES OF MIXED FATTY ACIDS OF VEGETABLE ORIGIN COMMON NAME .....: VEGETABLE OILS OR HYDROGENATED VEGETABLE OILS CAS NUMBER ....: PERCENTAGE ....: BY WEIGHT OR VOL. : HAZARDOUS ....: OSHA PEL TWA ....: OSHA PEL STEL ....: OSAH PEL CEIL ....: ACGIH TLV TWA ....: ACGIH TLV STEL ...: ACGIH TLV CEIL ...: \*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\* GRAS UNDER THE FOOD, DRUG AND COSMETIC ACT. -----SECTION 3 - HAZARDS IDENTIFICATION -----EMERGENCY OVERVIEW: RELEVANT ROUTE(S) OF EXPOSURE: SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: CHRONIC OVEREXPOSURE: MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE: POTENTIAL HEALTH EFFECTS: EYES: SKIN: SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER PROLONGED EXPOSURE OF OIL ON THE SKIN. INGESTION: INHALATION: EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM. OIL MIST IS CLASSIFIED AS A NUISANCE PARTICULATE BY ACGIH. CARCINOGENICITY: NTP: IARC: OSHA: ACGIH:

OTHER:

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

SKIN:

AS WITH ANY HOT LIQUID, HOT OIL CAN BURN THE SKIN. NORMAL FIRST AID PROCEDURES SHOULD BE USED FOR TREATING BURNS.

INGESTION:

INHALATION:

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT:

(% BY VOLUME) :

: LOWER LIMIT:

FLASH POINT

: VALUE

: ABOVE 500/260

: DEGREES C/F: F/C

: METHOD USED: AOCS CC 9B-55

AUTOIGNITION TEMPERATURE : TEMPERATURE:

: DEGREES C/F:

EXTINGUISHING MEDIA:

FOAM, CO2, OR DRAY CHEMICAL. BECAUSE WATER CAN SPREAD THE FIRE, IT IS ADVISABLE TO AVOID A DIRECT WATER STREAM FOR EXTINGUISHING THE FIRE.

FIRE FIGHTING INSTRUCTIONS:

USE STANDARD FIRE FIGHTING PROCEDURES WHEN EXTNGUISHING FAT OR OIL FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQULEY CONTRIBUTE TO THE INTENSITY OF A FIRE:

6/26/2005

## -----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

## ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED TO PREVENT AGAINST SLIPPERY SURFACES: SMALL SPILL - ADD SOLID ABSORBENT, SHOVEL INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA. CLEAN AREA WITH DETERGENT. LARGE SPILL - SQUEEGEE OR PUMP INTO HOLDING CONTAINER. CLEAN AREA WITH DETERGENT. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

-----SECTION 7 - HANDLING AND STORAGE -----

### HANDLING AND STORAGGE:

STORE AWAY FROM FLAME AND EXCESSIVE HEAT. TO AVOID SPONTANEOUS FIRE, STORE WIPING RAGS AND SIMILAR MATERIAL IN METAL CANS WITH TIGHT FITTING LIDS.

#### OTHER PRECAUTIONS:

----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

VENTILATION SHOULD BE PROVIDED IN AREAS WHERE HOT OIL IS BEING USED.

## PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

SKIN PROTECTION:

IF HANDLING CONTAINERS OF HOT OIL, INSULATED GLOVES OR PERSONAL PROTECTION EQUIPMENT MAY BE REQUIRED.

RESPIRATORY PROTECTION:

IF EXPOSED TO OIL MIST, AN APPROPRIATE NIOSH RESPIRATOR FOR ORGANIC VAPORS MAY BE REQUIRED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

## EXPOSURE GUIDELINES:

THRESHOLD LIMIT VALUE: AS LIQUID OR SOLID - NONE OIL MISTS - 10 MG/M3 TOTAL PARTICULATE

## WORK HYGIENIC PRACTICES:

HYGIENIC PRACTICE: MAY BE REMOVED FROM THE SKIN BY WASHING WITH SOAP AND WARM WATER.

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

```
APPEARANCE:
     SOLID - WHITE TO YELLOW LIQUID (MELTED) - CLEAR TO YELLOW LIQUID.
ODOR:
PHYSICAL STATE
PH VALUE
PH CONCENTRATION
VAPOR PRESSURE VALUE (MMHG):
               TEMPERATURE:
               DEGREES C/F:
VAPOR DENSITY (AIR=1) : EXCEEDS 1.0
BOILING POINT TEMPERATURE : N/A
               DEGREES C/F:
MELTING POINT TEMPERATURE :
              DEGREES C/F:
FREEZING POINT TEMPERATURE :
              DEGREES C/F:
SOLUBILITY IN WATER:
     INSOLUBLE.
REACTIVITY IN WATER:
                          : MELTED 0.70-0.95
SPECIFIC GRAVITY
DENSITY (WATER=1)
PARTICLE SIZE
VOLATILE ORGANIC COMPOUNDS :
    (VOC) CONTENT
SOFTENING POINT
EVAPORATION RATE BASIS (=1):
                      RATE:
BULK DENSITY
HEAT VALUE
PERCENT VOLATILE
OCTANOL/WATER PARTITION
COEFFICIENT
SATURATED VAPOR
CONCENTRATION
MOLECULAR WEIGHT
MOLECULAR/CHEMICAL FORMULA:
WEIGHT PER GALLON
VISCOCITY
-----SECTION 10 - STABILITY AND REACTIVITY -----
STABILITY:
    STABLE. NO KNOWN REACTIVITY PROBLEMS.
CONDITIONS TO AVOID (STABILITY):
INCOMPATIBILITY WITH OTHER MATERIALS:
```

HAZARDOUS DECOMPOSITION PRODUCTS: HAZARDOUS POLYMERIZATION: CONDITIONS TO AVOID (POLYMERIZATION): -----SECTION 11 - TOXICOLOGICAL INFORMATION -----COMPONENT LD50 VALUE: UNIT: ANIMAL: ROUTES: LC50 VALUE: UNIT: ANIMAL: ROUTES: TOXICOLOGICAL INFORMATION: -----SECTION 12 - ECOLOGICAL INFORMATION -----ECOLOGICAL INFORMATION: -----SECTION 13 - DISPOSAL CONSIDERATIONS -----DISPOSAL CONSIDERATIONS: -----SECTION 14 - TRANSPORT INFORMATION -----U.S. DOT PROPER SHIPPING NAME : HAZARD CLASS ID NUMBER PACKING GROUP LABELS AIR - IACO OR IATA PROPER SHIPPING NAME : HAZARD CLASS ID NUMBER PACKING GROUP LABELS WATER - IMDG PROPER SHIPPING NAME :

HAZARD CLASS

6/26/2005

ID NUMBER
PACKING GROUP

LABELS :

OTHER

REPORTABLE QUANTITY : ADDITIONAL INFO :

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS:

ACUTE:

CHRONIC: REACTIVE: FIRE:

PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES:

**HEALTH:** 

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS CODES:

HEALTH: 0

FLAMMABILITY: 1 REACTIVITY: 0 PROTECTION: B

LABEL STATEMENTS:

OTHER INFORMATION:

**Disclaimer**: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

## Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To: Sent: <mbowman@cesenvironmental.com> Thursday, June 23, 2005 3:15 PM

Subject:

Rape Seed Oil

Liquids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:13 PM -----

Cover Sheet: [.]
French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

CIN NUMBER:

0220-00

STCC NUMBER:

2093342

## **Material Safety Data Sheet**

CARGILL FOODS

MATERIAL SAFETY DATA SHEET

DATE ISSUED: 06/12/1991

DATE REVISED: 06/01/1998

DATE REVIEWED: 04/12/2000

CARGILL PRODUCT: CRUDE CANOLA OIL

PRODUCT NAME: CRUDE CANOLA OIL

TRADE NAME AND SYNONYMS: CRUDE CANOLA OIL

CHEMICAL FAMILY: GLYCERIDE OILS

CAS NUMBER: 8002-13-9

HMIS CODE

H 0 F 1

R 0

PΑ

-----SECTION I -MANUFACTURER'S IDENTIFICATION -----

MANUFACTURER'S NAME:

CARGILL, INCORPORATED

ADDRESS:

VEGETABLE OILS, P.O. BOX 5396

P.O. BOX 9300

MINNEAPOLIS, MINNESOTA 55440

6/26/2005

24 HOUR EMERGENCY ASSISTANCE: CHEMTREC: (800) 424-9300

GENERAL MSDS ASSISTANCE:

(612) 742-6683

-----SECTION II -HAZARDOUS INGREDIENTS/IDENTITY INFORMATION -----

IS NOT HAZARDOUS UNDER THE DEPARTMENT OF LABOR DEFINITIONS. IS GENERALLY RECOGNIZED AS SAFE (GRAS) UNDER FOOD DRUG AND COSMETIC ACT.

-----SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS -----

BOILING RANGE:

NOT APPLICABLE

VAPOR DENSITY:

EXCEEDS 1.0

SPECIFIC GRAVITY (H2O=1): .914 - .917

VAPOR PRESSURE:

NOT APPLICABLE

PERCENT VOLATILE BY VOLUME: 0 %

SOLUBILITY IN WATER: INSOLUBLE

EVAPORATION RATE:

NOT APPLICABLE

WEIGHT/GALLON:

7.65 LBS. AT 60 DEG. F.

APPEARANCE AND ODOR:

A DARK BROWN, OILY LIQUID - TYPICAL CRUDE VEGETABLE

OIL ODOR.

-----SECTION IV FIRE AND EXPLOSION HAZARD DATA -----

FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID - CLASS IIIB.

FLASH POINT:

275 - 290 DEG. F.

METHOD USED:

CLEVELAND OPEN CUP

EXTINGUISHING MEDIA:

CO2, DRY CHEMICAL, SAND.

## SPECIAL FIREFIGHTING PROCEDURES:

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. AVOID USE OF WATER AS IT MAY SPREAD FIRE BY DISPERSING OIL. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

RAGS AND WASTE PAPER CONTAINING THIS MATERIAL MAY HEAT AND BURN SPONTANEOUSLY. WHEN MATERIAL PRESENTING A LARGE SURFACE AREA, SUCH AS RAGS, FILTER CLAY, ETC. IS SATURATED WITH CANOLA OIL, SPONTANEOUS COMBUSTION MAY RESULT.

-----SECTION V -REACTIVITY DATA -----

STABILITY:

SPONTANEOUS COMBUSTION CAN OCCUR. SEE UNUSUAL FIRE AND EXPLOSION PROCEDURES, SECTION IV.

CONDITIONS TO AVOID:

HIGH SURFACE AREA EXPOSURE TO OXYGEN CAN RESULT IN POLYMERIZATION AND RELEASE OF HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

-----SECTION VI -HEALTH HAZARD DATA -----

THRESHOLD LIMIT VALUE:

AS A LIQUID - NONE. AS AN OIL MIST - 10 MG/M3 TOTAL PARTICULATE.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM. OIL MIST IS CLASSIFIED AS A NUISANCE PARTICULATE BY ACGIH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER LONG EXPOSURE OF OIL ON SKIN.

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: NONE OBSERVED BY INHALATION.

CHRONIC: NONE REPORTED.

EMERGENCY AND FIRST AID PROCEDURES FOR:

SKIN CONTACT: MAY BE REMOVED FROM SKIN BY WASHING WITH SOAP AND WARM WATER.

INHALATION: EXPOSE INDIVIDUAL TO FRESH AIR SOURCE.

-----SECTION VII -PRECAUTIONS FOR SAFE HANDLING AND USE -----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

DEPENDING ON QUANTITY OF SPILL:

(A) SMALL SPILL -

ADD SOLID ADSORBENT, SHOVEL INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA. CLEAN AREA WITH DETERGENT.

(B) LARGE SPILL -

SQUEEGEE OR PUMP INTO HOLDING CONTAINER. CLEAN AREA WITH DETERGENT.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

-----SECTION VIII -CONTROL MEASURES -----

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED.

VENTILATION:

INTERMITTENT CLEAN AIR EXCHANGES RECOMMENDED, BUT NOT

REQUIRED.

PROTECTIVE GLOVES:

NOT NORMALLY NEEDED.

EYE PROTECTION:

NOT NORMALLY NEEDED.

-----SECTION IX -SPECIAL PRECAUTIONS -----

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE AWAY FROM FLAME AND FIRE, AND EXCESSIVE HEAT.

-----SECTION X -DISCLAIMER AND/OR COMMENTS -----

WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR RE-USE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS.

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES THAT WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS.

THE CONDITIONS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

## Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To: Sent: <Mbowman@cesenvironmental.com> Thursday, June 23, 2005 8:50 AM

Subject:

AMMONIUM SULFATE

Matt, this is the first of a series of e-mail I will send with MSDS this is for Solids

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 08:44 AM -----

Cover Sheet: [.]
French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

G1821

STOCK NUMBER:

CIN NUMBER: STCC NUMBER:

0259-00

28 191 55

# Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 01/06/92

MSDS NUMBER ....: 5884-GATC

PRODUCT NAME ....: AMMONIUM SULFATE

MSDS ID CODE ....:

MSDS OTHER CODES .: G1821 PART NUMBERS ....: 0259-00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER ....: 5884-GATC

PRODUCT NAME ....: AMMONIUM SULFATE

SYNONYMS .....:
CHEMICAL NAME ...:
CHEMICAL FAMILY ..:

MANUFACTURER ....: GENEVA STEEL

DIVISION ....:

PRODUCT CODES ....:

ADDRESS ..... 10 SOUTH GENEVA RD.

CITY ..... VINEYARD

STATE ..... UT ZIP CODE ..... 84057

EMERGENCY PHONE ...: 801-227-9475 CHEMTREC PHONE ...: 800-424-9300

OTHER CALLS ....: 801-227-9475 (INFO.); 801-227-9454 (FAX);

800-424-9346 (RCRA HOTLINE)

MSDS PREPARED BY .:

EFFECTIVE DATE ...: 01/06/92

PRINT DATE ....:
PRODUCT USE ....:

6/26/2005

COMMON NAMES: SULFATE OF AMMONIA -----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----INGREDIENT NAME ..: AMMONIUM SULFATE COMMON NAME ....: CAS NUMBER ..... 7783-20-2 PERCENTAGE .....: 98-100 BY WEIGHT OR VOL. : W HAZARDOUS ....: OSHA PEL TWA ....: ---OSHA PEL STEL ....: OSAH PEL CEIL ....: ACGIH TLV TWA ....: ---ACGIH TLV STEL ...: ACGIH TLV CEIL ...: INGREDIENT NAME ..: WATER COMMON NAME ....: CAS NUMBER .....: 1333-86-4 PERCENTAGE .....: 0-2 BY WEIGHT OR VOL. : W HAZARDOUS ....: OSHA PEL TWA ....: ---OSHA PEL STEL ....: OSAH PEL CEIL ....: ACGIH TLV TWA ....: ---ACGIH TLV STEL ...: ACGIH TLV CEIL ...: -----SECTION 3 - HAZARDS IDENTIFICATION -----EMERGENCY OVERVIEW: RELEVANT ROUTE(S) OF EXPOSURE: INHALATION. SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: CHRONIC OVEREXPOSURE: MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE: POTENTIAL HEALTH EFFECTS: EYES: DIRECT CONTACT WITH EYES MAY PRODUCE IRRITATION AND CAUSE CONJUNCTIVAL EDEMA.

\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*

REPLACES: 07/10/90

SKIN:

CONTACT WITH SKIN MAY CAUSE MODERATE TO SEVERE IRRITATION OR DERMATITIS. PROLONGED OR REPEATED CONTACT MAY CAUSE RASH, OR MAY AID IN THE DEVELOPMENT OF SECONDARY SKIN INFECTIONS. ABSORPTION OR DERMATITIS MAY BE MORE RAPID IN THE CASE OF ABRADED SKIN.

INGESTION:

MAY CAUSE GASTROINTESTINAL DISTURBANCES, SUCH AS NAUSEA, VOMITING AND DIARRHEA.

INHALATION:

PROLONGED OR REPEATED BREATHING OF DUST MAY BE IRRITATING TO THE MUCOUS MEMBRANES OR THE EYES, NOSE, THROAT AND UPPER RESPIRATORY

TRACT.

CARCINOGENICITY:

NTP:

IARC: OSHA:

ACGIH: OTHER:

-----SECTION 4 - FIRST AID MEASURES -----

#### EYES:

FLUSH WELL WITH RUNNING WATER FOR 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS UNTIL NO EVIDENCE OF MATERIAL REMAINS. SEEK MEDICAL ATTENTION.

#### SKIN:

REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ADVICE.

## INGESTION:

MAY CAUSE GASTROINTESTINAL DISTURABANCES, SUCH AS NAUSEA, VOMITING AND DIARRHEA.

#### INHALATION:

IMMEDIATELY REMOVE FROM EXPOSURE TO FRESH AIR. IF BREATHING IS DIFFICULT OR HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION OR OXYGEN AS INDICATED. SEEK MEDICAL AID PROMPTLY.

### ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NA (% BY VOLUME) : LOWER LIMIT: NA

FLASH POINT

: VALUE : NA

: DEGREES C/F:

: METHOD USED:

AUTOIGNITION TEMPERATURE : TEMPERATURE: NA : DEGREES C/F:

EXTINGUISHING MEDIA:

WILL NOT BURN, BUT ON EXPOSURE TO HEAT OR DIRECT FIRE USE WATER SPRAY OR WATER FLOODING.

FIRE FIGHTING INSTRUCTIONS:

FIREFIGHTER SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING BECAUSE TOXIC SULFUR OXIDES AND AMMONIA GASES MAY BE FORMED AT AND ABOVE DECOMPOSITION TEMPERATURES. WATER SPRAY CAN BE USED TO KEEP FIRE-EXPOSED AMMONIUM SULFATE AND OTHER MATERIALS COOL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQULEY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

## ACCIDENTAL RELEASE MEASURES:

PREVENT LARGE QUANTITIES FROM CONTACT WITH VEGETATION OR WATERWAYS. ALTHOUGH AMMONIUM SULFATE IS A PLANT FOOD OR FERTILIZER, LARGE SPILLS MAY KILL VEGETATION IN THE IMMEDIATE VICINITY OF THE SPILL. CONTAMINATED OF WATERWAYS MAY CAUSE FISH KILL. TRANSPORTATION EMERGENCIES: CALL CHEMTREC (800) 424-9300

-----SECTION 7 - HANDLING AND STORAGE -----

## HANDLING AND STORAQGE:

DO NOT BREATHE DUST. AVOID SKIN AND EYE CONTACT WITH DUST OR

SOLUTIONS.

## OTHER PRECAUTIONS:

OTHER COMMENTS: NO UNUSUAL PRECAUTIONS ARE BELIEVED TO BE NECESSARY OTHER THAN THOSE INDICATED ABOVE.

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

### ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS:

LOCAL EXHAUST SYSTEM MAY BE NECESSARY TO CONTROL EMISSIONS TO THE SOURCE. GENERAL DILUTION VENTILATION MAY HELP REDUCE AIR CONTAMINANT CONCENTRATIONS.

## PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

WORKERS MUST WEAR CHEMICAL SAFETY SPLASH GOGGLES TO PREVENT EYE CONTACT WITH SOLUTIONS OR DUST.

SKIN PROTECTION:

NEOPRENE, NITRILE AND PVC PROTECTIVE CLOTHING HAS BEEN SUGGESTED FOR PROTECTION AGAINST MATERIALS OF THIS CHEMICAL CLASS (ACGIH GUIDELINE FOR THE SELECTION OF CHEMICAL PROTECTIVE CLOTHING, 1983).

RESPIRATORY PROTECTION:

USE RESPIRATORS APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST INHALATION OF EXCESSIVE DUST. USE SUPPLIED AIR RESPIRATORS AT EXTREMELY HIGH CONCENTRATION LEVELS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

EMERGENCY EYEWASH STATIONS AND DELUGE SAFETY SHOWERS SHOULD BE AVAILABLE IN THE WORK AREA.

EXPOSURE GUIDELINES:

WORK HYGIENIC PRACTICES:

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

WHITE TO BROWNISH GRAY CRYSTALS AND/OR GRANULES

ODOR:

PHYSICAL STATE

PH VALUE : 4.5

PH CONCENTRATION : 10% SOLUTION

VAPOR PRESSURE VALUE (MMHG):

TEMPERATURE:

DEGREES C/F:

VAPOR DENSITY (AIR=1)

BOILING POINT TEMPERATURE : TOTAL DECOMPOSTION AT 955/513

DEGREES C/F: F/C

MELTING POINT TEMPERATURE : 297/147 (FORMS BISULFATE AT 212/110)

DEGREES C/F: F/C (F/C)

FREEZING POINT TEMPERATURE :

DEGREES C/F:

```
SOLUBILITY IN WATER:
    43% AT 62 F/17 C
REACTIVITY IN WATER:
                          : 1.77
SPECIFIC GRAVITY
DENSITY (WATER=1)
PARTICLE SIZE
VOLATILE ORGANIC COMPOUNDS :
   (VOC) CONTENT
SOFTENING POINT
EVAPORATION RATE BASIS (=1):
                     RATE:
BULK DENSITY
HEAT VALUE
PERCENT VOLATILE
OCTANOL/WATER PARTITION
COEFFICIENT
SATURATED VAPOR
CONCENTRATION
MOLECULAR WEIGHT
MOLECULAR/CHEMICAL FORMULA: (NH4)2SO4
WEIGHT PER GALLON
VISCOCITY
-----SECTION 10 - STABILITY AND REACTIVITY -----
STABILITY:
CONDITIONS TO AVOID (STABILITY):
    NA CONDITIONS CONTRIBUTING TO INSTABILITY: EXTREME HEAT
INCOMPATIBILITY WITH OTHER MATERIALS:
     STRONG BASES SUCH AS CAUSTIC SODA, LIME, ETC., MAY GENERATE AMMONIA
      FUMES.
HAZARDOUS DECOMPOSITION PRODUCTS:
    SULFUR OXIDES AND AMMONIA
HAZARDOUS POLYMERIZATION:
    WILL NOT OCCUR/NOT CURRENTLY KNOWN
CONDITIONS TO AVOID (POLYMERIZATION):
-----SECTION 11 - TOXICOLOGICAL INFORMATION -----
COMPONENT
LD50
       VALUE:
         UNIT:
```

ANIMAL: ROUTES:

VALUE: UNIT:

LC50

ANIMAL: ROUTES:

TOXICOLOGICAL INFORMATION:

-----SECTION 12 - ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION:

-----SECTION 13 - DISPOSAL CONSIDERATIONS -----

#### DISPOSAL CONSIDERATIONS:

IF DISPOSAL IS NECESSARY AND IT CANNOT BE USED AS FERITLIZER, COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. IF CONTAMINATED WITH OTHER MATERIALS, THE NATURE AND EXTENT OF CONTAMINATION MAY REQUIRE USE OF SPECIALIZED DISPOSAL METHODS DUE TO REGULATIONS PERTAINING TO THOSE CONTAMINANTS. FOR HAZARDOUS WASTE REGULATIONS CALL THE RCRA HOTLINE 800-424-9346

-----SECTION 14 - TRANSPORT INFORMATION -----

U.S. DOT

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABELS:

AIR - IACO OR IATA

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABELS:

WATER - IMDG

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABELS:

OTHER

REPORTABLE QUANTITY :

ADDITIONAL INFO

: OTHER COMMENTS: NO UNUSUAL PRECAUTIONS ARE BELIEVED TO BE NECESSARY OTHER THAN THOSE

INDICATED ABOVE.

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS:

ACUTE:

CHRONIC: REACTIVE:

FIRE:

PRESSURE:

----SECTION 16 - OTHER INFORMATION -----

NFPA CODES:

HEALTH:

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS CODES:

HEALTH:

FLAMMABILITY:

REACTIVITY:

PROTECTION:

LABEL STATEMENTS:

#### OTHER INFORMATION:

THIS INFORMATION IS TAKEN FROM SOURCES OR BASED UPON DATA BELIEVED TO BE RELIABLE; HOWEVER, GENEVA STEEL MAKES NO WARRANTY AS TO THE ABSOLUTE CORRECTNESS OR SUFFICIENCY OF ANY OF THE FOREGOING OR THAT ADDITIONAL OF OTHER SPECIAL PROTECTIVE MEASURES MAY NOT BE REQUIRED UNDER UNUSUAL OR PARTICULAR CONDITIONS WHICH MAY BE ASSOCIATED WITH THE NORMAL USE OF THIS PRODUCT. SINCE THE USE AND/OR MISUSE OF THIS PRODUCT IS NOT WITHIN THE CONTROL OF GENEVA STEEL, IT IS THE USER'S OBLIGATION TO ASSURE CONDITIONS OF SAFE USE AND DISPOSAL OF THIS PRODUCT.

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This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

## Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To: Sent: <mbowman@cesenvironmental.com> Thursday, June 23, 2005 10:27 AM

Subject:

TRIETHYLENE GLYCOL

Solids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 10:27 AM -----

Cover Sheet: []
French MSDS:

**MSDS NUMBER:** 

**CUSTOMER NUMBER: STOCK NUMBER:** 

**CIN NUMBER:** 

0264-00

STCC NUMBER:

28-185-58

## **Material Safety Data Sheet**

MATERIAL SAFETY DATA SHEET

**ASHLAND** 

TRIETHYLENE GLYCOL

DATE PREPARED: 02/17/00 DATE PRINTED: 04/24/00

MSDS NO.: 999.0003553-004.002

----1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

MATERIAL IDENTITY

PRODUCT NAME: TRIETHYLENE GLYCOL

GENERAL OR GENERIC ID: GLYCOL

COMPANY: ASHLAND

ASHLAND DISTRIBUTION CO. & ASHLAND SPECIALTY CHEMICAL CO.

P.O. BOX 2219 COLUMBUS, OH 43216 614-790-3333

EMERGENCY TELEPHONE NUMBER: 1-800-ASHLAND (1-800-274-5263) 24 HOURS EVERYDAY

REGULATORY INFORMATION NUMBER: 1-800-325-3751

----2. COMPOSITION/INFORMATION ON INGREDIENTS -----

INGREDIENT(S)

CAS NUMBER

% (BY WEIGHT)

TRIETHYLENE GLYCOL

112-27-6

98.0-100.0

DIETHYLENE GLYCOL

111-46-6

0.0 - 4.2

----3. HAZARDS IDENTIFICATION -----

POTENTIAL HEALTH EFFECTS:

#### EYE:

MAY CAUSE MILD EYE IRRITATION. SYMPTOMS INCLUDE STINGING, TEARING, AND REDNESS.

#### SKIN:

MAY CAUSE MILD SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS AND BURNING OF SKIN. PASSAGE OF THIS MATERIAL INTO THE BODY THROUGH THE SKIN IS POSSIBLE, BUT IT IS UNLIKELY THAT THIS WOULD RESULT IN HARMFUL EFFECTS DURING SAFE HANDLING AND USE.

#### SWALLOWING:

SWALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.

#### INHALATION:

IT IS POSSIBLE TO BREATHE THIS MATERIAL UNDER CERTAIN CONDITIONS OF HANDLING AND USE (FOR EXAMPLE, DURING HEATING, SPRAYING, OR STIRRING). BREATHING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL.

## SYMPTOMS OF EXPOSURE:

SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL THROUGH BREATHING, SWALLOWING, AND/OR PASSAGE OF THE MATERIAL THROUGH THE SKIN MAY INCLUDE:

#### TARGET ORGAN EFFECTS:

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: MILD, REVERSIBLE LIVER EFFECTS, MILD, REVERSIBLE KIDNEY EFFECTS.

## DEVELOPMENTAL INFORMATION:

THIS MATERIAL (OR A COMPONENT) HAS BEEN SHOWN TO CAUSE HARM TO THE FETUS IN LABORATORY ANIMAL STUDIES. HARM TO THE FETUS OCCURS ONLY AT EXPOSURE LEVELS THAT HARM THE PREGNANT ANIMAL. THE RELEVANCE OF THESE FINDINGS TO HUMANS IS UNCERTAIN.

## CANCER INFORMATION:

THERE IS NO INFORMATION AVAILABLE. THE CHANCE OF THIS MATERIAL CAUSING CANCER IS UNKNOWN. THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE NATIONAL TOXICOLOGY PROGRAM, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

OTHER HEALTH EFFECTS: NO DATA

PRIMARY ROUTE(S) OF ENTRY: INHALATION, SKIN ABSORPTION, SKIN CONTACT, EYE CONTACT, INGESTION.

----4. FIRST AID MEASURES -----

#### EYES:

IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST OR THERE IS ANY VISUAL DIFFICULTY, SEEK MEDICAL ATTENTION.

## SKIN:

REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE.

### SWALLOWING:

SEEK MEDICAL ATTENTION. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDIVIDUAL ON THE LEFT SIDE WITH THE HEAD DOWN. CONTACT A PHYSICIAN, MEDICAL FACILITY, OR POISON CONTROL CENTER FOR ADVICE ABOUT WHETHER TO INDUCE VOMITING. IF POSSIBLE, DO NOT LEAVE INDIVIDUAL UNATTENDED.

#### INHALATION:

IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. KEEP PERSON WARM AND QUIET; SEEK IMMEDIATE MEDICAL ATTENTION.

NOTE TO PHYSICIANS: NO DATA

----5. FIRE FIGHTING MEASURES -----

FLASH POINT: 331.0 F (166.1 C) TOC

EXPLOSIVE LIMIT: (FOR PRODUCT)

LOWER: .9 UPPER: 9.2 %

AUTOIGNITION TEMPERATURE: 657.0 F (347.2 C)

HAZARDOUS PRODUCTS OF COMBUSTION:

MAY FORM: CARBON DIOXIDE AND CARBON MONOXIDE.

## FIRE AND EXPLOSION HAZARDS:

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

EXTINGUISHING MEDIA: ALCOHOL FOAM, WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.

## FIRE FIGHTING INSTRUCTIONS:

WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER. WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT. WEAR A SELF-CONTAINED BREATHING APPARATUS

WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT. REFER TO THE PERSONAL PROTECTIVE EQUIPMENT SECTION OF THIS MSDS.

NFPA RATING:

HEALTH - 1

FLAMMABILITY - 1

REACTIVITY - 0

----6. ACCIDENTAL RELEASE MEASURES -----

## SMALL SPILL:

PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL. MATERIAL SHOULD BE CAREFULLY SWEPT ONTO PAPER. AREA OF SPILL SHOULD THEN BE THOROUGHLY WASHED TO REMOVE ANY RESIDUAL CONTAMINATION, CAPTURING WASH, AND DISPOSING OF WASH PROPERLY.

### LARGE SPILL:

PER GOOD ENVIRONMENTAL MANAGEMENT PRACTICES, PREVENT RUN-OFF TO SEWERS, STREAMS AND OTHER BODIES OF WATER. STOP SPILL AT THE SOURCE. COVER SEWER GRATES AND DIKE THE SPILL. ABSORB SPILLED MATERIAL ON TO ABSORBENTS. SHOVEL MATERIALS INTO CONTAINER. CLOSE CONTAINER TIGHTLY AND DISPOSE OF PROPERLY.

----7. HANDLING AND STORAGE -----

#### HANDLING:

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. WARNING. SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE AND PRESSURE, OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN IGNITIONS WITHOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES. PUBLISHED "AUTOIGNITION" OR "IGNITION" TEMPERATURE VALUES CANNOT BE TREATED AS SAFE OPERATING TEMPERATURES IN CHEMICAL PROCESSES WITHOUT ANALYSIS OF THE ACTUAL PROCESS CONDITIONS. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

### EYE PROTECTION:

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. CONSULT YOUR SAFETY REPRESENTATIVE.

## SKIN PROTECTION:

WEAR RESISTANT GLOVES SUCH AS: POLYVINYL CHLORIDE, TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS..

## RESPIRATORY PROTECTIONS:

IF OVEREXPOSURE HAS BEEN DETERMINED OR DOCUMENTED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER

6/26/2005

ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER.) ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

### ENGINEERING CONTROLS:

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW LEVEL OF OVEREXPOSURE (FROM KNOWN, SUSPECTED OR APPARENT ADVERSE EFFECTS).

EXPOSURE GUIDELINES

COMPONENT

TRIETHYLENE GLYCOL (112-27-6) NO EXPOSURE LIMITS ESTABLISHED

DIETHYLENE GLYCOL (111-46-6)
NO EXPOSURE LIMITS ESTABLISHED

----9. PHYSICAL AND CHEMICAL PROPERTIES -----

BOILING POINT (FOR PRODUCT): 532.0 - 572.0 F (277.7 - 300.0 C) @ 760 MMHG

VAPOR PRESSURE (FOR PRODUCT): < .010 MMHG @ 68.00 F

SPECIFIC VAPOR DENSITY: 5.200 @ AIR = 1

SPECIFIC GRAVITY: 1.124 - 1.126 @ 68.00 F

LIQUID DENSITY:

9.360 LBS/GAL @ 68.00 F

1.124 KG/L @ 20.00 C

PERCENT VOLATILES: NO DATA

VOLATILE ORGANIC COMPOUNDS (VOC): > 999.000 G/L 9.360 LBS/GAL

EVAPORATION RATE: < .01 (N-BUTYL ACETATE)

APPEARANCE: CLEAR COLORLESS LIQUID

STATE: LIQUID

PHYSICAL FORM: HOMOGENEOUS SOLUTION

COLOR: CLEAR, ALPHA COLOR 25 MAX

ODOR: ODORLESS

PH: NOT APPLICABLE

FREEZING POINT: 23.0 F (-5.0 C) MOLECULAR WEIGHT: 150.2 SOLUBILITY IN WATER: COMPLETE BULK DENSITY: 1.250 LBS/FT3 -----10. STABILITY AND REACTIVITY -----HAZARDOUS POLYMERIZATION: PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION. HAZARDOUS DECOMPOSITION: MAY FORM: ACETALDEHYDE, ALDEHYDES, CARBON DIOXIDE AND CARBON MONOXIDE, DIOXOLANES, ETHYLENE GLYCOL MONOMETHYL ETHER, FORMALDEHYDE. CHEMICAL STABILITY: STABLE. INCOMPATIBILITY: AVOID CONTACT WITH: STRONG ACIDS, STRONG BASES, STRONG OXIDIZING AGENTS. -----11. TOXICOLOGICAL INFORMATION -----NO DATA ----12. ECOLOGICAL INFORMATION -----NO DATA -----13. DISPOSAL CONSIDERATION -----WASTE MANAGEMENT INFORMATION: FOR ASSISTANCE WITH YOUR WASTE MANAGEMENT NEEDS - INCLUDING DISPOSAL, RECYCLING AND WASTE STREAM REDUCTION, CONTACT ASHLAND DISTRIBUTION COMPANY, IC&S ENVIRONMENTAL SERVICES GROUP AT 800-637-7922.

----14. TRANSPORT INFORMATION -----

DOT INFORMATION - 49 CFR 172.101

DOT DESCRIPTION: NON-REGULATED BY D.O.T.

CONTAINER/MODE: 55 GAL DRUM/TRUCK PACKAGE

NOS COMPONENT: NONE

RQ (REPORTABLE QUANTITY) - 49 CFR 172.101: NOT APPLICABLE

----15. REGULATORY INFORMATION -----

US FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCES CONTROL ACT) STATUS:
TSCA (UNITED STATES) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

CERCLA RQ - 40 CFR 302.4(A): NONE LISTED

SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A: NONE

SECTION 311/312 HAZARD CLASS - 40 CFR 370.2

IMMEDIATE ( )
DELAYED (X)
FIRE ( )
REACTIVE ( )
SUDDEN RELEASE OF PRESSURE ( )

SARA 313 COMPONENTS - 40 CFR 372.65: NONE

OSHA PROCESS SAFETY MANAGEMENT 29 CFR 1910: NONE LISTED

EPA ACCIDENTAL RELEASE PREVENTION 40 CFR 68: NONE LISTED

### INTERNATIONAL REGULATIONS:

## INVENTORY STATUS:

AICS (AUSTRALIA) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

DSL (CANADA) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

ECL (SOUTH KOREA) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

EINECS (EUROPE) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

ENCS (JAPAN) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

## STATE AND LOCAL REGULATIONS

## CALIFORNIA PROPOSITION 65:

THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: 1,4-DIOXANE

PENNSYLVANIA RTK LABEL INFORMATION:

ETHANOL, 2,2'-1,2-ETHANEDIYLBIS(OXY) UBI 112-27-6 ETHANOL, 2,2'-OXYBIS- 111-46-6

## -----16. OTHER INFORMATION -----

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

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This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

# Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To:

<mbowman@cesenvironmental.com>

Sent:

Thursday, June 23, 2005 3:15 PM

Subject:

Rape Seed Oil

## Liquids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 03:13 PM -----

Cover Sheet: [.] French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

**CIN NUMBER:** STCC NUMBER: 0220-00

2093342

# **Material Safety Data Sheet**

CARGILL FOODS

MATERIAL SAFETY DATA SHEET

DATE ISSUED: 06/12/1991

DATE REVISED: 06/01/1998

DATE REVIEWED: 04/12/2000

CARGILL PRODUCT: CRUDE CANOLA OIL

PRODUCT NAME: CRUDE CANOLA OIL

TRADE NAME AND SYNONYMS: CRUDE CANOLA OIL

CHEMICAL FAMILY: GLYCERIDE OILS

CAS NUMBER: 8002-13-9

HMIS CODE

н 0

F 1

R 0 PA

-----SECTION I -MANUFACTURER'S IDENTIFICATION -----

MANUFACTURER'S NAME:

CARGILL, INCORPORATED

ADDRESS:

VEGETABLE OILS, P.O. BOX 5396

P.O. BOX 9300

MINNEAPOLIS, MINNESOTA 55440

24 HOUR EMERGENCY ASSISTANCE: CHEMTREC: (800) 424-9300

GENERAL MSDS ASSISTANCE:

(612) 742-6683

-----SECTION II -HAZARDOUS INGREDIENTS/IDENTITY INFORMATION -----

IS NOT HAZARDOUS UNDER THE DEPARTMENT OF LABOR DEFINITIONS. IS GENERALLY RECOGNIZED AS SAFE (GRAS) UNDER FOOD DRUG AND COSMETIC ACT.

-----SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS -----

BOILING RANGE:

NOT APPLICABLE

VAPOR DENSITY:

EXCEEDS 1.0

SPECIFIC GRAVITY (H2O=1): .914 - .917

VAPOR PRESSURE:

NOT APPLICABLE

PERCENT VOLATILE BY VOLUME: 0 %

SOLUBILITY IN WATER:

INSOLUBLE

EVAPORATION RATE:

NOT APPLICABLE

WEIGHT/GALLON:

7.65 LBS. AT 60 DEG. F.

APPEARANCE AND ODOR:

A DARK BROWN, OILY LIQUID - TYPICAL CRUDE VEGETABLE

OIL ODOR.

-----SECTION IV FIRE AND EXPLOSION HAZARD DATA -----

FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID - CLASS IIIB.

FLASH POINT:

275 - 290 DEG. F.

METHOD USED:

CLEVELAND OPEN CUP

EXTINGUISHING MEDIA:

CO2, DRY CHEMICAL, SAND.

## SPECIAL FIREFIGHTING PROCEDURES:

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. AVOID USE OF WATER AS IT MAY SPREAD FIRE BY DISPERSING OIL. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

RAGS AND WASTE PAPER CONTAINING THIS MATERIAL MAY HEAT AND BURN SPONTANEOUSLY. WHEN MATERIAL PRESENTING A LARGE SURFACE AREA, SUCH AS RAGS, FILTER CLAY, ETC. IS SATURATED WITH CANOLA OIL, SPONTANEOUS COMBUSTION MAY RESULT.

-----SECTION V -REACTIVITY DATA -----

STABILITY.

SPONTANEOUS COMBUSTION CAN OCCUR. SEE UNUSUAL FIRE AND EXPLOSION PROCEDURES, SECTION IV.

CONDITIONS TO AVOID:

HIGH SURFACE AREA EXPOSURE TO OXYGEN CAN RESULT IN POLYMERIZATION AND RELEASE OF HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

-----SECTION VI -HEALTH HAZARD DATA -----

THRESHOLD LIMIT VALUE:

AS A LIQUID - NONE. AS AN OIL MIST - 10 MG/M3 TOTAL PARTICULATE.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM. OIL MIST IS CLASSIFIED AS A NUISANCE PARTICULATE BY ACGIH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER LONG EXPOSURE OF OIL ON SKIN.

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: NONE OBSERVED BY INHALATION.

CHRONIC: NONE REPORTED.

EMERGENCY AND FIRST AID PROCEDURES FOR:

SKIN CONTACT: MAY BE REMOVED FROM SKIN BY WASHING WITH SOAP AND WARM WATER.

INHALATION: EXPOSE INDIVIDUAL TO FRESH AIR SOURCE.

-----SECTION VII -PRECAUTIONS FOR SAFE HANDLING AND USE -----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

DEPENDING ON QUANTITY OF SPILL:

(A) SMALL SPILL -

ADD SOLID ADSORBENT, SHOVEL INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA. CLEAN AREA WITH DETERGENT.

(B) LARGE SPILL -

SQUEEGEE OR PUMP INTO HOLDING CONTAINER. CLEAN AREA WITH DETERGENT.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

-----SECTION VIII -CONTROL MEASURES -----

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED.

**VENTILATION:** 

INTERMITTENT CLEAN AIR EXCHANGES RECOMMENDED, BUT NOT

REQUIRED.

PROTECTIVE GLOVES:

NOT NORMALLY NEEDED.

EYE PROTECTION:

NOT NORMALLY NEEDED.

-----SECTION IX -SPECIAL PRECAUTIONS -----

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE AWAY FROM FLAME AND FIRE, AND EXCESSIVE HEAT.

-----SECTION X -DISCLAIMER AND/OR COMMENTS -----

WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR RE-USE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS.

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES THAT WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS.

THE CONDITIONS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

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This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

## Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To: Sent: <mbowman@cesenvironmental.com> Thursday, June 23, 2005 2:57 PM

Subject:

Magnesium Chloride

For Liquids Box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 02:55 PM -----

Cover Sheet: French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

**CIN NUMBER:** 

0146-00

STCC NUMBER:

2812649

# **Material Safety Data Sheet**

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 11/23/94

MSDS NUMBER ....: 4835-GATC

PRODUCT NAME ....: MAGNESIUM CHLORIDE

MSDS ID CODE ....: MSDS OTHER CODES .: PART NUMBERS ....:

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER ....: 4835-GATC

PRODUCT NAME ....: MAGNESIUM CHLORIDE SYNONYMS ..... MAGNESIUM CHLORIDE

CHEMICAL NAME ....:

CHEMICAL FAMILY ..:

MANUFACTURER ....: CARGILL INCORPORATED - SOLARCHEM RESOURCES

DIVISION ....:

PRODUCT CODES ....:

ADDRESS ..... P.O. BOX 364

CITY ..... NEWARK STATE ..... CA

ZIP CODE ..... 94560-0364

EMERGENCY PHONE ..: 612-475-6581 (DAY); 612-476-1127 (EVE. MN.);

510-791-0775\*

CHEMTREC PHONE ...:

OTHER CALLS .....: 612-475-6581 (DIR.-QUALITY ADMIN.)

MSDS PREPARED BY .:

EFFECTIVE DATE ...: 11/23/94

PRINT DATE .....:

PRODUCT USE ....:

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

C.A.S. NO(S): 7786-30-3, 10034-99-88

CHEMICAL NAME(S): AQUEOUS MAGNESIUM CHLORIDE AND MAGNESIUM SULFATE

DATE ISSUED: 07/23/90

SALT 537

\*EMERG. PHONE: (EVENING CALIFORNIA)

----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----

-----SECTION 3 - HAZARDS IDENTIFICATION -----

**EMERGENCY OVERVIEW:** 

RELEVANT ROUTE(S) OF EXPOSURE:

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

INGESTION OF LARGE AMOUNTS (GREATER THAN 0.1 POUND) CAN CAUSE GASROINTESTINAL UPSET AND IRRITATION OF THE STOMACH. INHALATION:
MIST MAY CAUSE SLIGHT IRRITATION OF NOSE; UNLIKELY ENTRY ROUTE. SKIN CONTACT: MAY CAUSE MINOR IRRITATION TO SENSITIVE PERSONS. INGESTION:
MAY CAUSE NAUSEA OR VOMITING.

CHRONIC OVEREXPOSURE:

NO APPLICABLE INFORMATION FOUND FOR CHRONIC SYSTEMIC EFFECTS.

MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE: POSSIBLE SKIN IRRITATION TO SENSITIVE PERSONS.

POTENTIAL HEALTH EFFECTS:

EYES:

SKIN:

MAY CAUSE MINOR IRRITATION TO SENSITIVE PERSON.

INGESTION:

POSSIBLE NAUSEA AND VOMITING.

INHALATION:

MIST MAY CAUSE MILD IRRITATION OF NOSE/THROAT, UNLIKELY ENTRY ROUTE.

CARCINOGENICITY: NTP:

IARC:

OSHA:

ACGIH:

OTHER:

6/26/2005

# 

NTP? NOT LISTED AS A CARCINOGEN OR MUTAGEN.

IARC MONOGRAPHS? NOT LISTED AS A CARCINOGEN OR MUTAGEN.

OSHA REGULATED? NOT LISTED AS A CARCINOGEN OR MUTAGEN.

-----SECTION 4 - FIRST AID MEASURES -----

EYES:

IRRIGATE WITH LARGE AMOUNTS OF WATER.

SKIN:

FLUSH WITH WATER.

INGESTION:

DRINK FRESH WATER TO DILUTE. LESS THAN A FEW GRAMS IS NOT HARMFUL.

INHALATION:

REMOVE TO FRESH AIR. INHALATION IS AN UNLIKELY ENTRY ROUTE.

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NA

(% BY VOLUME) : LOWER LIMIT: NA

FLASH POINT : VALUE : NOT APPLICABLE

: DEGREES C/F: : METHOD USED:

AUTOIGNITION TEMPERATURE : TEMPERATURE:

: DEGREES C/F:

EXTINGUISHING MEDIA:

NOT APPLICABLE. THIS PRODUCT IS NONFLAMMABLE.

FIRE FIGHTING INSTRUCTIONS:

MAY US A SELF-CONTAINED BREATHING APPARATUS IF TEMPERATURES EXCEED 572

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE.

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQULEY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

CONTAIN SPILLS TO PREVENT CONTAMINATION OF WATER SUPPLY OR SANITARY SEWER SYSTEM. DISPOSE OF ACCORDING TO LOCAL REQUIREMENTS.

INCOMPATIBLE WITH SULFURIC AND NITRIC ACIDS, CAUSTICS, AMMONIA AND

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAGGE:

PRECAUTIONS

----- CAN BE

CORROSIVE TO SOME METALS, ESPECIALLY STEEL AND ALUMINUM.

OTHER PRECAUTIONS

-----

CYANIDES.

OTHER PRECAUTIONS:

----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

**VENTILATION REQUIREMENTS:** 

LOCAL EXHAUST: NOT NECESSARY. MECHANICAL (GENERAL): NOT NECESSARY

SPECIAL/OTHER: NOT NECESSARY

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

EYEGLASSES OR GOGGLES SHOULD BE WORN.

SKIN PROTECTION:

PROTECTIVE GLOVES: NORMAL WORK GLOVES ARE ADEQUATE.

RESPIRATORY PROTECTION:

N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

PROTECTIVE CLOTHING MAY BE WORN, BUT IS GENERALLY NOT REQUIRED.

EXPOSURE GUIDELINES:

WORK HYGIENIC PRACTICES:

WARM WATER SHOWERING AND HANDWASHING IS SUGGESTED IF IN DIRECT CONTACT WITH PRODUCT, BUT IS GENERALLY NOT REQUIRED.

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----APPEARANCE: SLIGHTLY VISCOUS, BROWN LIQUID ODOR: NO ODOR. PHYSICAL STATE PH VALUE PH CONCENTRATION VAPOR PRESSURE VALUE (MMHG): 7.5 MM HG TEMPERATURE: 30 DEGREES C/F: C VAPOR DENSITY (AIR=1) : N/A BOILING POINT TEMPERATURE : 108-123 (760MM HG) DEGREES C/F: C MELTING POINT TEMPERATURE : N/A DEGREES C/F: FREEZING POINT TEMPERATURE : DEGREES C/F: SOLUBILITY IN WATER: COMPLETE (G/CC,%) REACTIVITY IN WATER: SPECIFIC GRAVITY : 1.306 DENSITY (WATER=1) PARTICLE SIZE VOLATILE ORGANIC COMPOUNDS : (VOC) CONTENT SOFTENING POINT EVAPORATION RATE BASIS (=1): BUTYL ACETATE RATE: <1 BULK DENSITY HEAT VALUE PERCENT VOLATILE OCTANOL/WATER PARTITION COEFFICIENT SATURATED VAPOR CONCENTRATION : 95.22, 120.37 G/MOL MOLECULAR WEIGHT MOLECULAR/CHEMICAL FORMULA : MGCL2, MGS04 WEIGHT PER GALLON VISCOCITY

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

\*BOILING POINT: (760MM HG)

6/26/2005

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-----SECTION 10 - STABILITY AND REACTIVITY -----
STABILITY:
     STABLE
CONDITIONS TO AVOID (STABILITY):
     CONTACT WITH STRONG ACIDS.
INCOMPATIBILITY WITH OTHER MATERIALS:
     METALS WILL EXPERIENCE SLIGHT CORROSION OVER TIME. INCOMPATIBLE WITH
     SULFURIC AND NITRIC ACIDS, CAUSTICS, AMMONIA, AND CYANIDES. A
     HAZARDOUS REACTION INVOLVING MAGNESIUM CHLORIDE AND 2-FURAN
     PERCARBOXYLIC ACID HAS BEEN REPORTED.
HAZARDOUS DECOMPOSITION PRODUCTS:
     SLOW HEATING MAY RELEASE FREE CHLORINE GAS AOVE 572 F. AVOID CONTACT
     WITH STRONG ACIDS, AS CHLORINE GAS MAY EVOLVE. UNDER NORMAL
     APPLICATIONS, DECOMPOSITON SHOULD NOT OCCUR.
HAZARDOUS POLYMERIZATION:
     WILL NOT OCCUR
CONDITIONS TO AVOID (POLYMERIZATION):
     NONE
-----SECTION 11 - TOXICOLOGICAL INFORMATION -----
COMPONENT
 LD50 VALUE:
         UNIT:
        ANIMAL:
        ROUTES:
 LC50
         VALUE:
          UNIT:
        ANIMAL:
        ROUTES:
TOXICOLOGICAL INFORMATION:
-----SECTION 12 - ECOLOGICAL INFORMATION -----
ECOLOGICAL INFORMATION:
-----SECTION 13 - DISPOSAL CONSIDERATIONS -----
DISPOSAL CONSIDERATIONS:
    FOR DISPOSAL OF THIS MATERIAL AS A WASTE, ACT IN ACCORDANCE WITH ALL
    APPLICABLE FEDERAL, STATE, AND LOCAL WASTE MANAGEMENT REGULATIONS.
-----SECTION 14 - TRANSPORT INFORMATION -----
```

U.S. DOT

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

AIR - IACO OR IATA

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

WATER - IMDG

PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER :
PACKING GROUP :
LABELS :

OTHER

REPORTABLE QUANTITY : ADDITIONAL INFO :

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS:

CHRONIC:
REACTIVE:
FIRE:
PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

ACUTE:

NFPA CODES:

**HEALTH:** 

FLAMMABILITY: REACTIVITY: OTHER:

HMIS CODES:

HEALTH:

FLAMMABILITY:

REACTIVITY: PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

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IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. IT ALSO THE RESPONSIBILITY OF THE USER TO MAINTAIN A SAFE WORKPLACE. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY INFORMATION PROVIDED HEREIN AS A GUIDE AND SHOULD TAKE THE NECESSARY STEPS TO INSTRUCT EMPLOYEES AND TO DEVELOP WORK PRACTICE PROCEDURES TO ENSURE A SAFE WORK ENVIRONMENT.

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This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

# Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To:

<mbowman@cesenvironmental.com> Thursday, June 23, 2005 12:00 PM

Sent: Subject:

Corn Oil

For liquids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 11:59 AM -----

Cover Sheet: [.] French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

**CIN NUMBER:** 

0093-00

STCC NUMBER:

# **Material Safety Data Sheet**

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 06/01/90

MSDS NUMBER ....: 4394-GATC

PRODUCT NAME ....: CORN OIL/MAIZE OIL

MSDS ID CODE ....:
MSDS OTHER CODES .:

PART NUMBERS ....: 0093-00

-----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER ....: 4394-GATC

PRODUCT NAME ....: CORN OIL/MAIZE OIL

SYNONYMS ....:
CHEMICAL NAME ...:

CHEMICAL FAMILY ..:

MANUFACTURER ....: LOU ANA FOODS, INC.

DIVISION ....:

PRODUCT CODES ....:

ADDRESS ...... 731 N. RAILROAD AVENUE

CITY ..... OPELOUSAS

STATE ....: LA ZIP CODE ....: 70570

EMERGENCY PHONE ..: 800-551-9080; 318-948-6561

CHEMTREC PHONE ...:

OTHER CALLS .....: 800-551-9080; 318-948-6561 (INFO)

MSDS PREPARED BY .:

EFFECTIVE DATE ...: 06/01/90

PRINT DATE ....:

PRODUCT USE ....:

********** ADDITIONAL INFORMATION ************************************
SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS
********* ADDITIONAL INFORMATION ************************************
SECTION 3 - HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW:
RELEVANT ROUTE(S) OF EXPOSURE: N/A
SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: N/A HEALTH HAZARDS (ACUTE AND CHRONIC): NONE
CHRONIC OVEREXPOSURE:
NONE
MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE: NONE
POTENTIAL HEALTH EFFECTS: EYES:
SKIN:
INGESTION:
INHALATION:
CARCINOGENICITY: NTP: IARC: OSHA: ACGIH: OTHER:
******** ADDITIONAL INFORMATION **********
CARCINOGENICITY: NONE
SECTION 4 - FIRST AID MEASURES
EYES:
SKIN:
INGESTION:

INHALATION:

ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

IS OF EDIBLE GRADE AND PRESENTS NO HEALTH HAZARD.

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NONE (% BY VOLUME) : LOWER LIMIT: NONE

FLASH POINT : VALUE : 600

: DEGREES C/F: F

: METHOD USED: AOCS CC-90-48

AUTOIGNITION TEMPERATURE : TEMPERATURE:

: DEGREES C/F:

EXTINGUISHING MEDIA:

WATER OR FOAM

FIRE FIGHTING INSTRUCTIONS:

APPLY WATER FOG OR MIST GENTLY - HEAVY APPLICATION TO HOT OIL COULD CAUSE FOAMING. AVOID CONTACT WITH HOT OIL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQULEY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

ACCIDENTAL RELEASE MEASURES:

CONTAIN SPILLED OIL WITH EXPEDIENT DIKES AND RECOVER INTO DRUMS WITH SUMP PUMP AND/OR FLAT SHOVELS.

-----SECTION 7 - HANDLING AND STORAGE -----

HANDLING AND STORAQGE:

SURFACES COVERED WITH CORN OIL ARE EVERY SLICK. THUS, EXERCISE CARE

TO CLEAN UP SPILLS IMMEDIATELY TO AVOID PERSONNEL INJURY DUE TO FALLS ON SLIPPERY FLOORS.

## OTHER PRECAUTIONS:

OVERHEATED OIL CAN BURN. IF THE OIL STARTS TO SMOKE, REDUCE OR REMOVE THE

-----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

**ENGINEERING CONTROLS:** 

VENTILATION REQUIREMENTS: LOCAL EXHAUST: NONE MECHANICAL (GENERAL): NONE SPECIAL: NONE OTHER: OIL MISTS LIKE FOG MAY IMPAIR VISIBILITY

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: NONE

SKIN PROTECTION:

PROTECTIVE GLOVES: NONE

RESPIRATORY PROTECTION:

NONE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

EXPOSURE GUIDELINES:

WORK HYGIENIC PRACTICES: NONE

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

CLEAR, YELLOW LIQUID ABOVE 32 F

ODOR:

NO ODOR

PHYSICAL STATE

PH VALUE

PH CONCENTRATION :

VAPOR PRESSURE VALUE (MMHG): N/A

TEMPERATURE: DEGREES C/F:

VAPOR DENSITY (AIR=1) : N/A BOILING POINT TEMPERATURE : N/A

DEGREES C/F:

MELTING POINT TEMPERATURE : .10 MAX

DEGREES C/F:

FREEZING POINT TEMPERATURE :

DEGREES C/F:

SOLUBILITY IN WATER:

NOT SOLUBLE

REACTIVITY IN WATER:

SPECIFIC GRAVITY : .920 (60 F) (H2O=1)

DENSITY (WATER=1)

PARTICLE SIZE

VOLATILE ORGANIC COMPOUNDS :

(VOC) CONTENT

SOFTENING POINT

EVAPORATION RATE BASIS (=1): BUTYL ACETATE

RATE: N/A

BULK DENSITY

HEAT VALUE

PERCENT VOLATILE

OCTANOL/WATER PARTITION

COEFFICIENT

SATURATED VAPOR

CONCENTRATION

MOLECULAR WEIGHT

MOLECULAR/CHEMICAL FORMULA:

WEIGHT PER GALLON

VISCOCITY

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:

STABLE

CONDITIONS TO AVOID (STABILITY):

NONE

INCOMPATIBILITY WITH OTHER MATERIALS:

NONE

HAZARDOUS DECOMPOSITION PRODUCTS:

NONE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION):

NONE

```
-----SECTION 11 - TOXICOLOGICAL INFORMATION -----
COMPONENT
 LD50
       VALUE:
         UNIT:
       ANIMAL:
       ROUTES:
 LC50
        VALUE:
         UNIT:
       ANIMAL:
       ROUTES:
TOXICOLOGICAL INFORMATION:
    CARCINOGENICITY: NONE
-----SECTION 12 - ECOLOGICAL INFORMATION -----
ECOLOGICAL INFORMATION:
-----SECTION 13 - DISPOSAL CONSIDERATIONS -----
DISPOSAL CONSIDERATIONS:
    CORN OIL IS NON-TOXIC AND BIODEGRADABLE. SMALL QUANTITIES WHICH WOULD
    NOT OVERLOAD AN INDUSTRIAL OR PUBLIC WASTEWATER TREATMENT SYSTEM CAN
    BE DISCHARGED INTO SEWERAGE.
-----SECTION 14 - TRANSPORT INFORMATION -----
                                U.S. DOT
PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER
PACKING GROUP
LABELS
                           AIR - IACO OR IATA
PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER
PACKING GROUP
LABELS
                              WATER - IMDG
PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER
PACKING GROUP
```

LABELS

OTHER

REPORTABLE QUANTITY

ADDITIONAL INFO

: OVERHEATED OIL CAN BURN. IF THE OIL STARTS TO

SMOKE, REDUCE OR REMOVE THE

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS:

ACUTE:

CHRONIC:

REACTIVE:

FIRE:

PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES:

HEALTH:

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS CODES:

**HEALTH:** 

FLAMMABILITY:

REACTIVITY:

PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

# Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To: Sent: <mbowman@cesenvironmental.com> Thursday, June 23, 2005 9:19 AM

Subject:

NFS - UREA, AMMONIUM NITRATE

Solids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 09:19 AM -----

Cover Sheet: [.]
French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

C2450

STOCK NUMBER:

CIN NUMBER:

0721-00

STCC NUMBER:

2871313

# **Material Safety Data Sheet**

CF(R\*)

CF INDUSTRIES, INC.

EFFECTIVE DATE: JUNE 1, 1996

MATERIAL SAFETY DATA SHEET

FOR EMERGENCY CALL: CHEMTREC -- (800) 424-9300

----1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME: UREA, AMMONIUM NITRATE SOLUTION

CAS NUMBER: NONE

CHEMICAL NAME: UREA, AMMONIUM NITRATE

CHEMICAL FAMILY: NITROGEN FERTILIZER SOLUTION

SYNONYMS AND COMMON TRADE NAMES: UAN (28,30, AND 32%N)

COMPANY IDENTIFICATION

MANUFACTURER'S NAME: CF INDUSTRIES, INC.

ADDRESS:

ONE SALEM LAKE DRIVE,

LONG GROVE, ILLINOIS, 60047-8402

TELEPHONE:

(847) 438-9500

----2. COMPOSITION/INFORMATION ON INGREDIENTS -----

WEIGHT PERCENTAGE (APPROXIMATE IN EACH

## TYPE OF SOLUTION)

COMPONENT NAME	32%N	30%N	28%N	CAS NUMBER
AMMONIUM NITRATE	45	42.2	39.4	6484-52-2
UREA	35	32.8	30.6	57-13-6
WATER	20	25	30	7732-18-5
AMMONIUM HYDROXIDE	0.1	0.1	0.1	1336-21-6
CORROSION INHIBITOR	100	TO 200 PPM		NOT AVAILABLE

----3. HAZARDS IDENTIFICATION -----

#### EMERGENCY OVERVIEW:

COLORLESS LIQUID WITH ALMOST NO ODOR, OR SLIGHT AMMONIA ODOR. WHEN WATER IN UAN EVAPORATES, SOLID AMMONIUM NITRATE AND UREA ARE RESIDUES. THESE MAY EMIT TOXIC OXIDES OF NITROGEN WHEN HEATED TO DECOMPOSITION. CAN CAUSE IRRITATION OF EYES AND SKIN.

#### POTENTIAL HEALTH EFFECTS

EYES: LIQUID CAN IRRITATE EYES.

SKIN: LIQUID CAN IRRITATE SKIN.

INHALATION: EXPOSURE VIA INHALATION UNLIKELY.

#### INGESTION:

INGESTION OF AMMONIUM NITRATE (A COMPONENT OF UAN) CAN CAUSE GASTRITIS, NAUSEA, VOMITING, URINATION, AND DIARRHEA. INGESTION OF LARGE AMOUNTS CAN CAUSE SYSTEMIC ACIDOSIS AND MAY INDUCE THE FORMATION OF ABNORMAL HEMOGLOBIN (METHEMOGLOBIN).

#### LATE TOXICITIES:

UREA (A COMPONENT OF UAN) IS NOT EXPECTED TO CAUSE MUTAGENIC, CARCINOGENIC, OR REPRODUCTIVE EFFECTS FROM CONCENTRATIONS OR EXPOSURE ROUTES NORMALLY EXPERIENCED IN THE WORKPLACE.

----4. FIRST AID -----

#### EYES:

HOLD EYELIDS OPEN AND FLUSH EYES IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF NECESSARY.

SKIN: WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER.

INHALATION: NOT APPLICABLE

#### INGESTION:

IF EXPOSED PERSON IS CONSCIOUS, IMMEDIATELY GIVE PLENTY OF WATER. IF EXPOSED PERSON IS UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH. SEEK MEDICAL ATTENTION

#### IMMEDIATELY.

NOTES TO PHYSICIAN:

AFTER INGESTION, TREAT SYMPTOMATICALLY, INCLUDING GASTRIC LAVAGE.

----5. FIRE FIGHTING MEASURES -----

UAN IS NOT FLAMMABLE.

FLASH POINT (TEST METHOD): NOT APPLICABLE

FLAMMABLE LIMITS: NOT APPLICABLE

EXPLOSIVE LIMITS: NOT APPLICABLE

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

EXTINGUISHING MEDIA: NOT APPLICABLE

NFPA FIRE RATING: NOT LISTED

SPECIAL FIREFIGHTING PROCEDURES:

FOR FIRES INVOLVING UAN, WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE DECOMPOSITION PRODUCTS OF UREA, AND AMMONIUM NITRATE, WHICH CAN BE TOXIC (SEE SECTION 10 FOR DETAILS).

----6. ACCIDENTAL RELEASE MEASURES -----

ISOLATE AND STOP DISCHARGE. TAKE IMMEDIATE STEPS TO CONTAIN THE SPILL, IF POSSIBLE, AND RECOVER ANY REUSABLE PRODUCT. DISPOSE OF ANY RESIDUE AFTER WATER FROM SPILL HAS EVAPORATED.

NEUTRALIZING CHEMICALS: NOT APPLICABLE

----- HANDLING AND STORAGE -----

HANDLING: NO DATA ARE AVAILABLE REGARDING THE HANDLING PROCEDURES FOR UAN.

#### STORAGE:

DO NOT ALLOW LIQUID TO EVAPORATE SINCE ORGANIC AND OXIDIZABLE MATERIALS CAN SENSITIZE DRY AMMONIUM NITRATE TO A READILY EXPLOSIVE STATE. OUTSIDE OR DETACHED STORAGE IN SPECIALLY DESIGNATED AREAS IS PREFERRED. STORE INSIDE ONLY IN A COOL, WELL-VENTILATED AREA FREE FROM COMBUSTIBLES AND AWAY FROM ALL SOURCES OF IGNITION. UAN IS MILDLY CORROSIVE TO CARBON STEEL; PROTECT CONTAINERS FROM CORROSION AND MECHANICAL DAMAGE.

----8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

VENTILATION: NOT APPLICABLE; PRODUCT IS NOT VOLATILE.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

EYES: NO PERSONAL PROTECTIVE EQUIPMENT NORMALLY REQUIRED. SKIN: NO PERSONAL PROTECTIVE EQUIPMENT NORMALLY REQUIRED. RESPIRATORY: NO PERSONAL PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

EXPOSURE GUIDELINES: STANDARDS FOR UAN SOLUTION HAVE NOT BEEN ESTABLISHED.

----9. PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE: COLORLESS LIQUID

ODOR: LITTLE OR NO DETECTABLE AMMONIA ODOR

ODOR THRESHOLD LEVEL: NOT AVAILABLE

PHYSICAL STATE: LIQUID

PH: 7.0-7.5

VAPOR PRESSURE: NOT AVAILABLE

VAPOR DENSITY (AIR=1): APPROXIMATELY 1.07 G/L AT 15 DEG. C(59 DEG. F)(30% UREA)

BOILING POINT: >100 DEG. C(>212 DEG. F)

MELTING POINT: (SALT OUT TEMPERATURE FOR 28% N SOLUTION): 1 DEG. F(-17 DEG. C)

SOLUBILITY IN WATER: MISCIBLE WITH WATER

SPECIFIC GRAVITY (H2O = 1): 1.28(28%N), 1.303(30%N) 1.326 (32%N) AT 60 DEG. F(15.56 DEG. C); (HEAVIER THAN WATER)

EVAPORATION RATE (BUTYL ACETATE = 1): NOT APPLICABLE

PERCENTAGE VOLATILE BY VOLUME (%): NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

MOLECULAR FORMULA: 3 COMPOUND MIXTURE: CO(NH2)2, NH4NO3, AND H2O

-----10. STABILITY AND REACTIVITY -----

STABILITY (THERMAL, LIGHT, ETC.): STABLE

CONDITIONS TO AVOID: HIGH TEMPERATURES--COMPONENTS DECOMPOSE AND EMIT TOXIC GASES. HIGH PRESSURES--EXPLODES IF HEATED UNDER CONFINEMENT SO THAT PRESSURE BUILDS UP.

INCOMPATIBILITY (MATERIALS TO AVOID): SEE HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS DECOMPOSITION PRODUCTS:

WHEN THE WATER IN UAN EVAPORATES, IT LEAVES A RESIDUE OF SOLID AMMONIUM NITRATE

AND UREA. SOLID AMMONIUM NITRATE CAN EXPLODE IF HEATED.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE

## -----11. TOXICOLOGICAL INFORMATION -----

NO TOXICOLOGICAL DATA ARE AVAILABLE FOR UAN. TOXICITY VALUES FOR AMMONIUM NITRATE AND UREA ARE LISTED BELOW.

#### ACUTE ORAL EFFECTS:

THE AMMONIUM NITRATE ORAL LD50 FOR RATS IS 4.5 G/KG. THE UREA ORAL LD50 FOR RATS IS 8.5 G/KG.

DERMAL IRRITATION: UREA IS A MILD SKIN IRRITANT IN HUMANS.

#### SUBCHRONIC EFFECTS:

IN RATS, EXPOSED TO 288 MG/M3 VIA INHALATION FOR 17 WEEKS, UREA CAUSED EFFECTS ON THE KIDNEY, URETER, BLADDER, AND BLOOD. DERMAL EXPOSURE TO 3,024 MG/KG CONTINUOUSLY FOR 4 WEEKS RESULTED IN EFFECTS ON THE LIVER, THYMUS, AND TESTES.

#### REPRODUCTIVE EFFECTS:

INTRAUTERINE/INTRAPLACENTAL INJECTION OF UREA CAUSES ABORTION IN HUMANS, HOWEVER, THIS EXPOSURE ROUTE IS UNLIKELY IN THE WORKPLACE.

#### CARCINOGENICITY:

A STUDY SPONSORED BY THE NATIONAL CANCER INSTITUTE CONCLUDED THAT UREA IS NOT A CARCINOGEN TO RATS AND MICE VIA ORAL EXPOSURE.

#### MUTAGENICITY:

CHROMOSOME BREAKAGE HAS BEEN OBSERVED IN SOME LABORATORY TESTS USING EXTREMELY HIGH CONCENTRATIONS OF UREA (1,000 TO 10,000 TIMES PHYSIOLOGICAL LEVELS). HOWEVER, THESE CONCENTRATIONS GREATLY EXCEED THOSE EXPECTED TO BE EXPERIENCED UNDER LIKELY EXPOSURE SCENARIOS FOR THIS PRODUCT.

#### ----12. ECOLOGICAL INFORMATION -----

NOTIFY LOCAL HEALTH AND WILDLIFE OFFICIALS AND OPERATORS OF ANY NEARBY WATER INTAKES UPON CONTAMINATION.

NO ECOLOGICAL DATA ARE AVAILABLE FOR UAN. THE FOLLOWING DATA FOR AMMONIUM NITRATE AND UREA, WHICH ARE POSSIBLE EVAPORATION PRODUCTS, ARE PROVIDED.

#### AMMONIUM NITRATE:

FERTILIZERS CONTAINING AMMONIUM NITRATE CAN CAUSE POISONING IN LIVESTOCK AND POULTRY. AMMONIUM NITRATE CAN BE TOXIC TO AQUATIC LIFE AND SPILLS MAY CAUSE ALGAL BLOOMS IN STATIC WATERS.

#### ECOTOXICITY INFORMATION:

THE MEASURED ECOTOXICITY VALUES FOR AMMONIUM NITRATE INCLUDE CARP 48-HOUR LC50 VALUES OF 74,000 MICROG/L (TOTAL) AND 947 MICROG/L (UN-IONIZED) REPORTED IN TERMS OF NITROGEN. THE MINIMUM LETHAL CONCENTRATION OF AMMONIUM NITRATE FOR

TADPOLES IS 910 MG/L. NITRATE ION ECOTOXICITY VALUES ARE ALSO AVAILABLE. THE FRESHWATER 96-HOUR AND 7-DAY LC50 VALUES FOR FINGERLING RAINBOW TROUT ARE REPORTED TO BE 1,350 AND 1,065 MG/L NITRATE NITROGEN, RESPECTIVELY. NO EFFECTS ON GROWTH OR FEEDING ACTIVITIES WERE OBSERVED IN LARGEMOUTH BASS AND CHANNEL CATFISH EXPOSED TO NITRATE ION CONCENTRATIONS OF 400 MG/L.

#### ENVIRONMENTAL FATE INFORMATION:

NITRATE IONS ARE ASSIMILATED BY GROWING PLANTS. AMMONIUM NITRATE WILL ALSO BE TAKEN UP BY BACTERIA. IN ANAEROBIC SOILS, NITRATE IONS MAY BE CONVERTED TO NITRITE, MOLECULAR NITROGEN, NITROUS OXIDE, OR AMMONIUM IONS.

#### UREA:

UREA CAN BE TOXIC TO DOMESTIC ANIMALS AND HAS CAUSED POISONINGS WHEN IT WAS APPLIED UNEVENLY ON PASTURES AS A FERTILIZER. LARGE AMOUNTS OF UREA CAN DAMAGE PLANT SEEDLINGS AND INHIBIT GERMINATION. AT HIGH CONCENTRATIONS, UREA CAN BE TOXIC TO AQUATIC LIFE. AS A READILY AVAILABLE SOURCE OF NITROGEN, UREA CAN ALSO FOSTER EXCESSIVE GROWTH OF ALGAE OR MICROORGANISMS IN WATER SYSTEMS.

#### ECOTOXICITY INFORMATION:

THE CELL MULTIPLICATION TOXICITY THRESHOLD VALUES FOR BACTERIA, GREEN ALGAE, AND PROTOZOA ARE >10,000, >10,000, AND 29 MG/L, RESPECTIVELY. THE CRITICAL RANGE FOR THE CREEK CHUB IS 16,000 TO 30,000 MG/L IN DETROIT RIVER WATER.

#### ENVIRONMENTAL FATE INFORMATION:

IN THE SOIL, UREA DEGRADES RAPIDLY, USUALLY WITHIN 24 HOURS; HOWEVER, DEGRADATION MAY BE SLOWER DEPENDING ON SOIL TYPE, MOISTURE CONTENT, AND UREA FORMULATION. THE ULTIMATE DEGRADATION PRODUCTS ARE CARBON DIOXIDE AND AMMONIA. THE SOIL MOBILITY IS HIGH BASED ON AN ORGANIC CARBON PARTITION COEFFICIENT VALUE OF 8. IN WATER, BIODEGRADATION TO CARBON DIOXIDE AND AMMONIA IS THE MAJOR FATE PATHWAY. THE BIODEGRADATION RATE INCREASES WITH INCREASING TEMPERATURE AND PRESENCE OF PHYTOPLANKTON. OXIDATION OF UREA BY NITRIFYING BACTERIA CAN INCREASE BIOLOGICAL OXYGEN DEMAND. BIOACCUMULATION OF UREA IS VERY LOW. THE 72-HOUR BIOCONCENTRATION FACTOR (BCF) FOR CARP IS REPORTED TO BE 1.

#### -----13. DISPOSAL CONSIDERATIONS -----

UAN IS NOT CONSIDERED A HAZARDOUS WASTE UNDER FEDERAL HAZARDOUS WASTE REGULATIONS 40 CFR 261. CONSULT LOCAL AND STATE ENVIRONMENTAL REGULATORY AGENCIES

FOR ACCEPTABLE ALTERNATIVE DISPOSAL PROCEDURES AND LOCATIONS. FOLLOW STANDARD DISPOSAL PROCEDURES.

#### ----14. TRANSPORT INFORMATION -----

UAN IS NOT LISTED AS A HAZARDOUS MATERIAL BY THE U.S. DEPARTMENT OF TRANSPORTATION (DOT), TRANSPORT CANADA (TC), INTERNATIONAL MARITIME ORGANIZATION (IMO), AND THE UNITED NATIONS (UN).

#### ----15. REGULATORY INFORMATION -----

OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION):
THIS MATERIAL IS CONSIDERED TO BE HAZARDOUS AS DEFINED BY THE OSHA HAZARD

COMMUNICATION STANDARD.

SARA TITLE III (SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986): THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 302 AND/OR SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

CAS NO.: 6484-52-2

CHEMICAL NAME: AMMONIUM NITRATE

AMOUNT OF CHEMICAL IN CFI PRODUCT (APPROXIMATE % BY WEIGHT): 39.4-45

302 THRESHOLD PLANNING QUANTITY FOR CHEMICAL (LBS.): NOT LISTED

313 DE MINIMIS CONCENTRATION (% BY WEIGHT): 1.0

USER SHOULD CONTACT LOCAL AND STATE REGULATORY AGENCIES FOR INFORMATION ON ADDITIONAL OR MORE STRINGENT REPORTING REQUIREMENTS.

DOT (DEPARTMENT OF TRANSPORTATION): PLEASE REFER TO SECTION 14 (TRANSPORT INFORMATION) FOR GUIDANCE CONCERNING TRANSPORTATION.

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This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.

# Mbowman@cesenvironmental.com

From:

<Ricardo.Salias@gatx.com>

To: Sent: <mbowman@cesenvironmental.com> Thursday, June 23, 2005 9:32 AM

Subject:

SODIUM SILICATE

Solids box

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 06/23/2005 09:31 AM ----

Cover Sheet: [.]
French MSDS:

MSDS NUMBER:

**CUSTOMER NUMBER:** 

STOCK NUMBER:

CIN NUMBER: STCC NUMBER:

0238-00

2819992

Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 08/17/94

MSDS NUMBER ....: 2066-GATC

PRODUCT NAME ....: SODIUM SILICATE 40 DEGREE

MSDS ID CODE ....:
MSDS OTHER CODES .:

PART NUMBERS ....: 0238-00

----SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION -----

MSDS NUMBER ....: 2066-GATC

PRODUCT NAME ....: SODIUM SILICATE 40 DEGREE

SYNONYMS ....: CHEMICAL NAME ...:

CHEMICAL FAMILY ..:

MANUFACTURER ....: ASHLAND CHEMICAL, INC.

DIVISION .....: SUBSIDIARY OF ASHLAND OIL, INC.

PRODUCT CODES ....:

ADDRESS ..... P.O. BOX 2219

CITY ..... COLUMBUS

STATE ..... OH

ZIP CODE ..... 43216

EMERGENCY PHONE ..: 800-274-5263; 800-ASHLAND (24-HR)

CHEMTREC PHONE ...:

OTHER CALLS .....: 614-889-3333

MSDS PREPARED BY .:

EFFECTIVE DATE ...: 08/17/94 PRINT DATE ....: 09/30/94

PRODUCT USE ....:

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

DATA SHEET NO: 0001161-004.002

000003 CAS NUMBER: 1344-09-8 GENERAL OR GENERIC ID: MIXTURE - SODIUM SILICATE -----SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS -----INGREDIENT NAME ..: SODIUM SILICATE COMMON NAME ....: CAS NUMBER ..... 1344-09-8 PERCENTAGE ..... 37 BY WEIGHT OR VOL. : HAZARDOUS ....: OSHA PEL TWA ....: NE OSHA PEL STEL ....: OSAH PEL CEIL ....: ACGIH TLV TWA ....: NE ACGIH TLV STEL ...: ACGIH TLV CEIL ...: INGREDIENT NAME ..: WATER COMMON NAME ....: CAS NUMBER ..... 7732-18-5 PERCENTAGE ..... 63 BY WEIGHT OR VOL. : HAZARDOUS ....: OSHA PEL TWA ....: OSHA PEL STEL ....: OSAH PEL CEIL ....: ACGIH TLV TWA ....: ACGIH TLV STEL ...: ACGIH TLV CEIL ...: \*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION.

#### NOTES:

( 1) PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL

-----SECTION 3 - HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

RELEVANT ROUTE(S) OF EXPOSURE: INHALATION, SKIN CONTACT

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

CHRONIC OVEREXPOSURE:

MEDICAL CONDITIONS GENREALLY AGGRAVATED BY EXPOSURE:

#### POTENTIAL HEALTH EFFECTS:

EYES:

EXPOSURE CAUSES EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, AND SWELLING.

SKIN:

EXPOSURE MAY CAUSE MILD SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS AND BURNING.

INGESTION:

SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

INHALATION:

BREATHING - OF MIST CAN CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES.

CARCINOGENICITY:

IARC: OSHA: ACGIH: OTHER:

NTP:

-----SECTION 4 - FIRST AID MEASURES -----

#### EYES:

IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

#### SKIN:

IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE. REMOVE CONTAMINATED SHOES PROMPTLY. DISCARD SHOES SATURATED WITH THIS PRODUCT.

# INGESTION:

IF SWALLOWED: DO NOT INDUCE VOMITING. IMMEDIATELY DRINK TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCOUS PERSON.

CALL PHYSICIAN OR TRANSPORT TO AN EMERGENCY FACILITY.

#### INHALATION:

IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

#### ANTIDOTES:

NOTES TO PHYSICIANS AND/OR PROTECTION FOR FIRST-AIDERS:

\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

-----SECTION 5 - FIRE FIGHTING PROCEDURES -----

FLAMMABLE LIMITS IN AIR : UPPER LIMIT: NA

(% BY VOLUME) : LOWER LIMIT:

FLASH POINT : VALUE : NA

: DEGREES C/F: : METHOD USED:

AUTOIGNITION TEMPERATURE : TEMPERATURE:

: DEGREES C/F:

EXTINGUISHING MEDIA:

NA

FIRE FIGHTING INSTRUCTIONS:

WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NA

FLAMMABILITY CLASSIFICATION:

PROPAGATION OR BURNING RATE OF SOLID MATERIALS:

KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION:

PROPERTIES OF BOTH FLAMMABLE AND NONFLAMMABLE MATERIALS THAT MAY INITIATE OR UNIQULEY CONTRIBUTE TO THE INTENSITY OF A FIRE:

-----SECTION 6 - ACCIDENTAL RELEASE MEASURES -----

#### ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILL: SPILLS OF THIS MATERIAL ARE VERY SLIPPERY. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

-----SECTION 7 - HANDLING AND STORAGE -----

### HANDLING AND STORAQGE:

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. ADDITIONAL COMMENTS: CONTAINERS SHOULD BE EITHER RECONDITIONED BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY APPROVED FIRMS. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH

APPLICABLE LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS. SERIOUS ACCIDENTS HAVE RESULTED FROM THE MISUSE OF "EMPTIED" CONTAINERS (DRUMS, PAILS, ETC.). REFER TO OTHER SECTIONS HEREIN.

OTHER PRECAUTIONS:

----SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

ENGINEERING CONTROLS

ENGINEERING CONTROLS:

VENTILATION REQUIREMENTS: NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

PERSONAL PROTECTIVE EOUIPMENT

EYE/FACE PROTECTION:

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. CONSULT YOUR SAFETY REPRESENTATIVE.

SKIN PROTECTION:

WEAR RESISTANT GLOVES SUCH AS: NATURAL RUBBER

RESPIRATORY PROTECTION:

NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

TO PREVENT SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

EXPOSURE GUIDELINES:

PERMISSIBLE EXPOSURE LEVEL: NE FOR PRODUCT. SEE OTHER SECTION HEREIN.

WORK HYGIENIC PRACTICES:

-----SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE:

SPECIALLY CLARIFIED

ODOR:

PHYSICAL STATE : LIQUID

PH VALUE : 11.3

PH CONCENTRATION

VAPOR PRESSURE VALUE (MMHG): 24.00 MM HG

TEMPERATURE: 77.00/25.00

DEGREES C/F: F/C

VAPOR DENSITY (AIR=1) : .67

BOILING POINT TEMPERATURE : >212.00/100.00\*

DEGREES C/F: F/C

MELTING POINT TEMPERATURE :

DEGREES C/F:

FREEZING POINT TEMPERATURE :

DEGREES C/F:

SOLUBILITY IN WATER:

REACTIVITY IN WATER:

SPECIFIC GRAVITY : 1.390 @ 68 F (20 C)

DENSITY (WATER=1)

PARTICLE SIZE

VOLATILE ORGANIC COMPOUNDS :

(VOC) CONTENT

SOFTENING POINT

EVAPORATION RATE BASIS (=1): ETHER

RATE: SLOWER

BULK DENSITY

HEAT VALUE

PERCENT VOLATILE : 60-65

OCTANOL/WATER PARTITION

COEFFICIENT SATURATED VAPOR

CONCENTRATION

MOLECULAR WEIGHT MOLECULAR/CHEMICAL FORMULA:

WEIGHT PER GALLON

VISCOCITY.

\*\*\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*\*\*\*\*\*

\*BOILING POINT: PRODUCT @ 760.00 MM HG

FORM: HOMOG SOLN

-----SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY:

STABLE

CONDITIONS TO AVOID (STABILITY):

INCOMPATIBILITY WITH OTHER MATERIALS:

AVOID CONTACT WITH: STRONG ACIDS, ALCOHOLS

HAZARDOUS DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION:

CANNOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION):

```
-----SECTION 11 - TOXICOLOGICAL INFORMATION -----
COMPONENT
 LD50
      VALUE:
         UNIT:
       ANIMAL:
       ROUTES:
 LC50
        VALUE:
         UNIT:
       ANIMAL:
       ROUTES:
TOXICOLOGICAL INFORMATION:
-----SECTION 12 - ECOLOGICAL INFORMATION -----
ECOLOGICAL INFORMATION:
-----SECTION 13 - DISPOSAL CONSIDERATIONS -----
DISPOSAL CONSIDERATIONS:
    SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND
    FEDERAL REGULATIONS. LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH
    ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
-----SECTION 14 - TRANSPORT INFORMATION -----
                                U.S. DOT
PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER
PACKING GROUP
LABELS
                           AIR - IACO OR IATA
PROPER SHIPPING NAME :
HAZARD CLASS :
ID NUMBER
PACKING GROUP
LABELS
                              WATER - IMDG
PROPER SHIPPING NAME :
HAZARD CLASS
ID NUMBER
```

PACKING GROUP

LABELS

OTHER

REPORTABLE QUANTITY
ADDITIONAL INFO

-----SECTION 15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SARA HAZARDS:

ACUTE:

CHRONIC: REACTIVE:

FIRE:

PRESSURE:

-----SECTION 16 - OTHER INFORMATION -----

NFPA CODES:

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 1

OTHER:

HMIS CODES:

**HEALTH:** 

FLAMMABILITY:

REACTIVITY:

PROTECTION:

LABEL STATEMENTS:

OTHER INFORMATION:

SUPERSEDES: 05/23/94

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

**Disclaimer**: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 06/24/2005. Please review TAILS to make sure that the document is still valid.



# Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1366

**Expiration Date** 2/3/2008

**Generator:** GATX (Hearne) **Address:** 1401 W. Brown St.

Hearne, TX 77859

Waste Information

Name of Waste: Non-hazardous Class 2 Sludge

**TCEQ Waste Code #:** 99366092

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Removal of heels (Non-haz) from railcars, including rust and rinse/steam water. Also, di

**Odor:** Hydrocarbon

**pH:** 3-11

sand and absorbents contaminated with these products.

Physical State: Sludge

Color: Dark

**Incompatibilities:** None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

06/10/2008 JUN-U6-20	07:25 979	2793020 CES Envi	onmental Se	GATX HEAF Prvice	RNE :	713	676 676	PAGE 02
	•		CES Enviro	nmental	į			200
	•		Services, In					
		4904 Griggs Ro	ad	Houston, TX	77021			
		Phone: (713) 6	76-1460	Fax: (713) 67	•			
		http://v TCEQ Indust	ww.cesenviro		30040			
		U.S. EPA ID No:			to: 30900			
SECTION 4: Canal	Maria de la facto de la constitución de la facto de la				<u></u>			
SECTION 1: Ganes Company:	GATX (Hearne)							
Address :	1401 W. Brown St	PO Box 969					<b>[</b> [	
City, State, Zip:	Hearne TX 77859				<i></i>		- · - <b>†</b> -	
Contact:	Ricardo Salias		<del></del>	Title :	HS&E Mary	mer		
Phone No :	(979) 279-3481			Fax :				<del></del>
24 / HR Phone:	(979) 279-7020			<del></del>			14	<del></del>
U.S EPA I.D No :	TXD000835207			<u> </u>	1	1		
State I.D :	32643			8IC Cod	e			
					,	: () : ()		
SECTION 2: Billing	Information							
Company :	GATX (Heame)							
Address:	1401 W. Brown St	. PO Box 969				<u> </u>		<del></del>
City, State, Zip :	Hearne TX 77859				·	.j.j		
Contact:	Ricardo Salias	·		Ttle :	HS&E Man	41 <b>r</b>		
Phone No:	(979) 279-3481			Fax:				
	al Description of the				,			•
Name of Waste:	Non-hazardous Cla	ass 2 Sludge			<del></del>	: ; ; [{ 2 }		
Petailed Descrip	tion of the Process	Generating Was	<b>þ</b> :				and the state of t	
Removal of heels these products.	(Non-haz) from rails	care, including rust	and rinee/stear	n water. Also,	dirt, send and	sorbents	contamilat	ed with
Physical State:	Liquid	Sludg	<b>4</b> [	Powder		; ; <b>)</b>		
	Solid	- Filter	ake [	Combination				
<b>0</b> -1		Dark	04			Hydroce	to	
Color:	····, —,—		Odor		<del></del>			<del></del> .
Specific Gravity	(Water=1) :	1.1	Dens	ity:		17	P	) gel
Does this material	contain any total phe	nolic compounds?	☐ Yes	□ No				
Does this material	contain any para sut	stituted phenolic co	inpounds?	🗍 Yes	□ No			
is the Weste aubje	ot to the benzene was	ste operation NESH	AP7 (40 CFR Par	t 61, Subpart Fi	F) 🗀 Y	mi-	_ No .	
	2816 <b>2819 282</b> 1 2869 2873 2874		1			기 2 <b>26</b> 4 기 2 495	76	2851 9 <b>5</b> 11
Layers :	Single-Pha	ıs 🛄 Multi-	Phase					
Container Type :		Tote	Truck	Other (ex	kp(ain)			
Container Size :	2000	<u>-</u>						
	<del></del>					E S		
Number Of Units				_				
	Hazerdous Waste" p		Ĺ Ye		*,			
If "Yes", then pl	ease complete, sign ar	nd date the Underlying	g Hazardous Cons	idtuents Form at	tached hereto			
N' Yes-, is iti	] D001 🔛 D00	2 🔲 D003						
								•
			1					

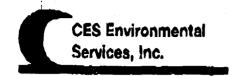
06/10/2008 07:25 JUN-U6-2008 16	9792793020	GATX Fonmental Service	K HEARNE	740 000	PAGE 03
Characteristic for Toxic M		<u> </u>	DD07	713 676	76 P.03/05
	ii) Daas 📋 Di	<u> </u>	D011		
Characteristics for Toxic	Organics: D012 thru D043 (p	ilease list all that apply)			<del></del>
To this on "E" or the 1 lets	d waste or mixed with one?	Tyes   No		·	
	b wasce of mixed with oner lat ALL applicable codes:	1 AGR ( 1 MO		·	
· ·		<u> </u>			
Is this a commercial prod 261.33(e) or (f)?	uct or spill cleanup that wou	ild carry a "U" or "P" was	ste code under 40 CM	Yes	No
If "Yes", then please	ist ALL applicable codes:				
Texas State Waste Code	No : 99366092		-		
Proper U.S. State Waste	Code No :	Non-RCRA/Non	DOT regulated waste	udge	
Class:	UN/NA:	PG:	7	RQ:	
Flash Point	рН	Reactive Sulfides	Reactive Cyanide	Soli	8
>200	3-11	<20 mg/l	<20	<b>1</b> 50-	<b>)</b> %
Oll and Grease	TOC	Zinc	Copper	Nigl	
<1500 mg/i	N/A mg/l	N/A mg/l	I 145	n N/	mg/l
SECTION 4: Physical and Ci					
The material /	COMPONENTS TABLE product consists of the following	louing materiale	Conce Ranges a	ration coepts ble	Units or %
1110 110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 1110 111	Water	Materials		<b>5</b> 0	%
	See attached list		E	nce	
1					
L.				J:	<b> </b>
SECTION 5: Safety Related I					
If the handling of this was Standard PPE Required	ete requires the use of spe	cial protective equipme	ent, please explain.		
Stationard LLE Medimen		Ì			
SECTION 6: Attached Buppe	ortina Documents				<b>.</b>
	, deta, and/or analysis atta	ahed to this form as pa	art of the weste appro	al package.	
MSDS	•				
		1	\$7.2 \$1.7 *		
			,		l l
SECTION 7: Incompatibilitie			L L L L L L L L L L L L L L L L L L L		
Please list all incompatib	ilitiee (if any):		i :		
Maile Minage		*	9 ; 2 ;		
•					
SECTION 8: Generator's Kno	wiedge Documentation				
Laboratory analysis of the following generators kno	e hazardous waste charact wledge	erstics, listed below, \	was not perform	based upon th	
TCLP Metals :	X				
TCLP Volatilies:	<u>X</u>				
TCLP Semi-Volatiles :	<b>X</b>				
		2	i.		H
			i.		
*5		1	ģ.		U.

0	6/10/2008 07:25 9792793020 GATX HEARNE		_ PAGE 04
	CES Environmental Service	713 676	676 P.04/05
Ça	rroelvity: X	Li de la la la la la la la la la la la la la	
	itability:	3 1	
		1. 7 E	
SEC	CTION 9: Waste Receipt Classification Under 40 CFR 427		
	ES', complete this section		#
PLE	EASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE N	PAGE	<u> </u>
Mat	ale Subcategory: Subpart A		
1.1			
		A COMPANY OF THE PROPERTY OF T	1
	· · · · · · · · · · · · · · · · · · ·		
	· · · · · · · · · · · · · · · · · · ·		
·, 🗀	Cyanide-containing wastes greater than 136 mg/l		
	Waste acids and bases with or without metals		· ·
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha		
	Vibratory deburring wastewater		
۱.۱	Alkaline and acid solutions used to clean metal parts or equipment		
۸ila	Subcategory: Subpart B		
	Used oils		
	Oil-water emulsions or mixtures		
	Lubricants		
	Coolants		<b>J</b>
ليا	Contaminated groundwater clean-up from petroleim sources		
	Used petroleum products		
	Oil spill clean-up		
	Bilge weter	E SAR Locale	
	Rinse/wash waters from petroleum sources		
	Interceptor wastes		
$\prod$	Off-specification fuels		
	Underground storage remediation wastes		
	Tank clean-out from petroleum or oily sources		
$\Box$	Non-contact used glycols		
	Aqueous and oil mixtures from parts cleaning operations	200	
	Wastewater from oil bearing paint washes		
_			
oma	nics Subcategory Subpart C Landfill (sachate		
	Contaminated groundwater clean-up from non-petiologum sources	5 - 1-1 - 1-1 - 1-1 - 1-1	
	Solvent-being wastes		
	Off-specification organic product	(1) 2.00 (1) (2) (2)	
	Still bottoms	17 H	
	Byproduct waste glycol		
$\bar{\Box}$	Wastewater from paint washes		
П	Wastewater from adhesive and/or encyles formulation		

06/10/2008 07:25 9792793020 GATX HEARNE JUN-Ub-2008 16:44 CES Environmental Service L vvasceward non organic chemical product operations	PAGE 07 713 676 <b>176</b> P.05/05
✓ Tank clean-out from organic, non-petroleum sources	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified	title oils subcatego
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below excess of the values listed below, the waste should be classified in the metals subcategory	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of car or nickel above any of the values listed above, the waste should be classified in the organics subtractions.	anium, chromium, dapper, reintegory.
☐ Metals Subcatego	
☐ Qils Subcatego	
☑ Organics Subcategory	
SECTION 10: Additional Instruction	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Chromium, Copper, Nickel, and Oll and Grease. CES will send offsite to a commercial laboratory a significant concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the SECTION 11: Generator's Certification  The Information contained herein is based on generator knowledge and/or analytical	all hysis.
above and attached description is complete and accurate to the best of my knowledge and abideliberate or willful omissions of composition properties exist and that all known or suspected disclosed. I certify that the materials tested are representative of all materials described by the	to determine that no
Authorized Signature : Date :	2/2/2006
Printed Name / Title : Ricardo Salles / NSE Manager	
D. Almiyo	ity Information
Compliance Officer: Prabhakar Thangudu O	į
· · · · · · · · · · · · · · · · · · ·	ii. <b>8</b>
Date: 2/3/2006 Status: Approved Rejected	
Date: 2/3/2006 Status: Approved Rejected  Approval Number: 1365	
Date: 25/2000 Status: Approver Rejected	
Date: 25/2000 Status: Approver Rejected	
Date: 25/2000 Status: Approver Rejected	

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4904 Griggs Road Housion, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

CES Waste Approval #: 1369

Customer:

Landreth Fasteners

Waste Generator:

Landreth Fasteners

Waste Stream Name:

**Evaporator Oil Sludge** 

Expiration Date:

2/3/2008

As per our waste analysis plan, CES Environmental Services, inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforement and waste stream and the process governing this waste stream remain the same as when issued the aforemention. I CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Customer Name

Signature

tudus mal

Company (Title

1-10-08

Date

Analysis is NOT required for recommentation

The following analysis is required for recertification.
Please sumbit results of the following tests.

:: TCLP Metals

TCLP Volatiles

TCLP Semi-volatiles

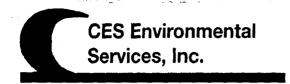
Reactivity

Corresivity

I Ign-tability

SK

TOTAL F.02



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 2/3/2006

Dear GILBERTO

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1369

Generator: Landreth Fasteners
Address: 8700 Scranton

Houston, TX 77075

Waste Information

Name of Waste: Evaporator Oil Sludge

**TCEQ Waste Code #:** 00145041

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Unused lubricant oils used in coating process of rivets that contains water goes through evaporator to remove water leaving oil sludge with high melting point (non-aqueous material).

Color: Dark brown - black

Odor: Mild oil

pH: na

Physical State: Sludge

Incompatibilities: Strong oxidizers
Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. CES Environmental Service

713 676 1676

P.02



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021... Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA (D No: TXD008950461 ISWR No: 30900

SECTION 1: Gene Company:	rator Information Landreth Fastena				
Address:	8700 Scranton				
City, State, Zip:	Houston, TX 77	075		<del></del>	
Contact:	Mengarer Rust	<u> </u>	Title:	General	Manager
Phone No:	713-944-7400		Fax No:	713-944	-8176
24/hr Phone:	800-231-8296				
U.S. EPA I.D. No:	TXD008101750				
State I.D.	30976		SIC Code:		
SECTION 2: Billin Company: Address: City, State, Zip:	g Information – X	Same as Above			
Contact:		Title			
Phone No:		Fax I	Vo:		
SECTION 3; Gene	ral Description of the	e Waste			
Name of Waster Ev	aporator Oil Sindg	e			
Detailed Description through evaporator to	of Process Conorn remove water leavi	iting Waste: Unused luing oil sludge with high r	on all paint oils used in co	ating proce	ess of rivuts that contains water go )
Physical State:	☐ Liquid	X Sludge	Powder		
	☐ Solid	Filter Cake	Combinatio	a ·	
Cata - Dede Dance		Oden Mild Oil			
Color: Durk Brown -	isiaes.	Odor: <u>Mild Qil</u>			
Specific Gravity (wa	ter=1): <u>,9-1.7</u>	Density: 8.3 lbs/ga			
Luyers:	X Single-phase	Multi-pha	ise		
Container Type:	X Orum	Tota	Truck	П	Other (explain)
Container Size:	55-gal	<u>ا</u>			
Container Sizz.	3.4.32		<del></del> -		<del></del>
Frequency:	☐ Weekly	Monthly	Quarterly	x	Yearly
Number of Units (co	ntainers): 50	Other:	_ , ,	_	•
Texas State Waste C		0145041	e en la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co		
Proper U.S. DOT Sh	ipping Name:	Non-RCRA, No	n-DOT Regulated Oil	Sludge	
Class: Na	UN/N	NA: Na	PG: Na		RQ:
				<del></del>	
Flash Point	pH	Reactive Sulfides	Reactive C	ynnides	Solids 0-104

713 676 1676

Oil&Grease >100mg/l 7139448547

FEB-03-2006 10:02

CES Environmental Service

TOC	Zinc	Соррег	Nickel
NAmg/I	Qmg/f	Onig/f	Qmg/I

#### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units
Anticorit AQ 1961R	30-60	%
Rust Foe II	30-60	%
Isoprep 3	2-10	90
Water	2-5	4/0
Water	Z-3	+*
		<del> </del>

#### SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

#### SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS

#### SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong Oxidizers

#### SECTION 8: Concrutor's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED hased upon the following generator knowledge:

TCLP Metals:

Muterials are unused oils

TCLP Volatiles:

No volutile materials in process
No semi-volutile materials in process

TCLP Semi-Volatiles:

No reactive components are part of process

Reactivity: Corrosivity:

Material is organic, non-aqueous based materials

Ignitability:

Sec MSDS

#### SECTION 9: Generator's Certification

The information contained herein is based on X generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful emissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Date: 02/3/06

Printed Name/Title: Margaret Rust/ General Mahager

Compliance Officer: Robbah That a 55 Sadditional Information: MLB 2

Date: 1-3-06 Approved Rejected

Approval Number: 1369

•	ECTION 10: Waste Receipt Classification Under 40 CFR	437	
	this material a wastewater or wastewater sludge? YES	x□ no	
	'Yes', complete this section.		
"	1 05 Complete (415 section)		
P	LEASE CHECK THE APPROPRIATE BOX, 1F NO APPRO	OPRIATE CATEGORY, GO	TO THE NEXT PAGE
Met	alx Subcatenoty: Subpart A		
	Spent dectroplating baths and/or sludges Motal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste figuid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clear, metal parts or equi-		perations
Olls.	Subcategory: Subpurt B		
	Used nils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes O(f-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes		
Oreu	nics Subcalerory: Subpart C		• <b></b> • • • • • • • • • • • • • • • • • • •
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes	arces	
	Wastewater from adhesives and/or enories formulation		

Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

FER-09-2006 10:03

CES Environmental Service

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nicket above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory
Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium. Chronium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

L. Cem



MO. 10341

No. 10341

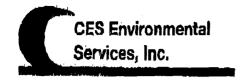
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JAN-09-2009 15:43

CES Environmental Service

P.02 713 676 1676



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #: 1370

Customer:

Ameriforge Corporation

Waste Generator:

Ameriforge Corporation

Waste Stream Name:

Recyclable Oily Rags and Absorbents

**Expiration Date:** 

2/7/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ No changes, please recertify.

Analysis is NOT required for recertification.

LI Please send new profile as waste stream

has changed.

• The following analysis is required for recertification. Please sumbit results of the following tests.

C TCLP Metals

1. TCLP Volatiles

11 TCLP Semi-volatiles

1 Reactivity

(i) Corrosivity

11 Ignitability



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 2/7/2006

Dear **Pat Mickley** 

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

**CES Profile #** 1370

Generator: Ameriforge Corporation

Address: 13770 Industrial Rd.

Houston, TX 77015

#### Waste Information

Name of Waste: Recyclable Oily Rags and Absorbents

TCEQ Waste Code #: Recycle

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Oily rags and absorbents from around machines in outdoor containment areas. Facility

**pH**: 7

Odor:

manufactures carbon steel flanges.

Color: Physical State: Solid

**Incompatibilities:** Oxidizers

Safety Related Data/Special Handling:

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 3090 ISWR No: 30900

	ator Informat	3011							
Company :	Ameriforge	Corporation							
Address:	13770 Indu	ıstrial Rd.							,
City, State, Zip :	Houston TX	X 77015							
Contact :	Pat Mickley	y				Title :			
Phone No :	(713) 393-4	4369				Fax:	713-393-4329		
24 / HR Phone:						<del></del>			
U.S EPA I.D No:	TXR000026	6690							
State I.D :	82538					SIC Code			
SECTION 2: Billing	Information	1							
Company:	Ameriforge	Corporation							<u>-</u>
Address:	13770 Indu	ustrial Rd.							
City, State, Zip:	Houston T>	X 77015							
Contact:	Pat Mickley	<i>y</i>				Title :			
Phone No:	(713) 393-4	4369				Fax:	713-393-4329		
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•			-						
Oily rags and abso	orbents from	around mack	inaa in a		nmont ar				
		i aloulu illaci	imes in ot	utdoor contai	millerit ar	eas. Facility	manufactures car	bon steel flange	es.
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Physical State :	_ Liqu	uid	☐ Slu	udge	P	owder	manufactures car	bon steel flange	es.
Physical State :	_ Liqu	uid	☐ Slu	udge ter Cake	<u> </u>	owder	manufactures car	bon steel flange	es.
Color:	☐ Liqu	uid	☐ Slu	udge ter Cake	☐ P ☐ C Odor :	owder			es. Ibs / gal
Color:	_ Liqu ✔ Soli Water=1) :	uid lid	SIL Filt	udge ter Cake	☐ P ☐ C Odor :	owder			
Color : Specific Gravity ( Layers :	_ Liqu ✓ Soli Water=1) : _ Sin	uid iid  ngle-Phas	SIL Filt	udge ter Cake ulti-Phase	☐ F ☐ C Odor: Density	owder combination	8.3		
Color : Specific Gravity ( Layers :	_ Liqu ✓ Soli Water=1) : _ Sin	uid iid  ngle-Phas	SIL Filt	udge ter Cake ulti-Phase	☐ F ☐ C Odor: Density	owder combination	8.3		
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Color: Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast	ty, State, Zip: Houston TX 77015 chatcat: Pat Mickley Title: none No: (713) 393-4369 Fax: 713-393-4329  ECTION 3: General Description of the Waste ame of Waste: Recyclable Oily Rags and Absorbents etailed Description of Process Generating Waste: lly rags and absorbents from around machines in outdoor containment areas. Facility manufactures carbon steel flanges.  hysical State: Liquid Sludge Powder  Solld Filter Cake Combination  Odor:  Density: 8.34 Ibs / gal  operating Type: Drum Tote Truck Other (explain)  container Type: Drum Tote Truck Other (explain)  container Size: 55 cumber Of Units: 1 container Size: 55 cumber Of Units: 1 container Size: 95 cumber Of Units: 1 container Size: 95 cumber Of Units: 1 container Size: 95								
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Color: Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast Proper U.S. State Class: Flash Poin >200	Uwater=1): Using	uid iid ngle-Phas sum 5	Slu Filt	udge ter Cake  Ulti-Phase Tru  Reactive	Odor: Density  Ick  Non-RCR  Sulfides 0	Other (expand)	8.3  plain)  Regulated Material  ctive Cyanides  0 mg/l  Copper	RQ: Solid 100 Nicke	lbs / gal

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Absorbents	85-95	%
Hydraulic oil	7-8	%
Compressor Oil	7-8	%

Hydraulic oil		7-8	%
Compressor Oil		7-8	%
SECTION 5: Safety Related Data			
If the handling of this waste requires the use of special protective of	quipment, please explai	in.	
SECTION 6: Attached Supporting Documents			
List all documents, notes, data, and/or analysis attached to this for	m as part of the waste a	pproval package.	
		pp. o van paomagan	
SECTION 7: Incompatibilities			
Please list all incompatibilities (if any): Oxidizers			
OXIGIZOIO			
SECTION 8: Generator's Knowledge Documentation			
Laboratory analysis of the hazardous waste characteristics, listed l following generators knowledge	elow, WAS NOT PERFO	RMED based upor	n the
TCLP Metals: <u>x</u>			
TCLP Volatilies : <u>x</u>			
TCLP Semi-Volatiles : <u>x</u>			
Reactivity : <u>x</u>			
Corrosivity: <u>x</u>			
gnitability: <u>x</u>			
SECTION 9: Generator's Certification	_		
The information contained herein is based on ☑ generator knowle above and attached description is complete and accurate to the be deliberate or willful omissions of composition properties exist and disclosed. I certify that the materials tested are representative of a	st of my knowledge and a that all known or suspec	ability to determin cted hazards have	e that no
Authorized Signature :	Date :	2/7/2006	
Printed Name / Title : Erica Bogan / Agent for Ameriforge Industrial	Corporation		
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Addit	tional Information	
Pakhukharan			
Compliance Officer: Prabhakar Thangudu			
Date: 2/7/2006 Status: Approved Reject	ed		
Approval Number: 1370			

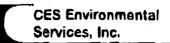
SECTION 10: Waste Receipt Classification Under 40 CFR 437
ls this material a wastewater or wastewater sludge ? ☐ YES ☑ NO
If 'YES', complete this section
PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAG
Matals Subcategory: Subpart A
Spent electroplating baths and/or sludges
Chromate wastes
Air pollution control blow down water and sludges
☐ Spent anodizing solutions
Incineration wastewaters
☐ Waste liquid mercury
☐ Cyanide-containing wastes greater than 136 mg/l
Waste acids and bases with or without metals
<ul> <li>Cleaning, rinsing, and surface preparation solutions from electroplating or phospha</li> </ul>
☐ Vibratory deburring wastewater
Alkaline and acid solutions used to clean metal parts or equipment
Oils Subcategory: Subpart B
☐ Used oils
Oil-water emulsions or mixtures
☐ Lubricants
☐ Coolants
Contaminated groundwater clean-up from petroleum sources
☐ Used petroleum products
Oil spill clean-up
☐ Bilge water
Rinse/wash waters from petroleum sources
☐ Interceptor wastes
☐ Off-specification fuels
Underground storage remediation wastes
☐ Tank clean-out from petroleum or oily sources
☐ Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subcategory Subpart C
Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
☐ Solvent-bering wastes
Off-specification organic product
Still bottoms
Byproduct waste glycol
Wastewater from paint washes
Wastewater from adhesive and/or epoxies formulation
Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gene	retor informati	on											
Company:	Ameriforge (	Corporatio	n										
Address:	13770 Indus	itrial Rd.	13770 Indus	trial Roa	d	<u> </u>							
City, State, Zip:	Houston TX	77015											
Contact:	Jim Beare		-				Title :						
Phone No :	(713) 293-11	136					Fax:	(7	13) 393	4405			
24 / HR Phone:							_			<u>-                                    </u>			
U.S EPA I.D No :	TXR000028	690											
State I.D:	82538						SIC C	ode	· 	-			
SECTION 2: Billing	noisemation												
Company:	Ameriforge (	Corporatio	n										
Address :	13770 Indus	trial Rd. 1	3770 Indus	trial Roa	d					-			
City, State, Zip :	Houston TX	77015											
Contact:	Jim Beara			_ <b>_</b> · .			Title :						
Phone No :	(713) 293-11	36					Fax:	(71	13) 393-	4405			
SECTION 3: Gener	al Description	of the Wat	:10										
Name of Waste :				-nie									
						•		- —					
Detailed Descrip			*				_				_		
Oily rags and abs	orbenis from a	around me	SCHINGS IN O	uldoor co	ontainmi	eni are:	as. Fac	ility mai	nutactur	es carb	on elec	i liauge	<b>S.</b>
Physical State :	C: Liqui	đ	8Id	udge		'_J Po	wdgr						
	I <u>V</u> Solid	ı	☐ Fil	ter Cake		Co	mbinatio	n					
Color :					Od	or;							
Specific Gravity	(Water=1):		9-1	_	Dec	ngity :		·		6.34	<u>.                                    </u>	1	lbs / gaí
Does this material	contain any to	tal phanoli	c compound	is?	 _ ☐ Ye	8	∐ No						
Does this material	•	-	·				Yas		_ No				
									_	V		No.	
s the Wasto subject			-	•						Yes		No	>054
	2816 2819 2869 2873		822 2823 876 2879	2824 2891	2633 2 <del>0</del> 92	2834 2893	2835 2096	2836 2899	2841 2911	2842 3312	284) 495)	2844 4959	2851 9511
Layers :	<b>⊋</b> Singl	e-Phas	<u> </u>	Iti-Phas	80			* .		•			
Container Type:	C Drum	ı 🗀 '	Tote		Truck		Other	explair	n)				
Container Size :	<b>5</b> 5												
Number Of Units	: 1	<del></del>											
Is this a USEPA "I If "Yes", then pl					rdous Ca		∐ N nts Form	-	) hereto				
TE "Voe" le Ir.	0001	2000	□ D003										

If "Yes", then please list ALL applicable cedes:    Yes   State Waste Code No:	JUN-04-2000 04:01PM	FROM-TAPER-LOK			+713 393 4228	T-656 P	.003/005
this an "F" or "K" Listed waste or mixed with one?		☐ D008 ☐	D009		1011		
If "Yes", then please list ALL applicable codes:  this a commercial product or splil cleanup that would carry a "U" or "P" waste code under 40 CFR	naracteristics for Toxic	c Organics: D012 thru D043	(please list all that	apply)			
If "Yes", then please list ALL applicable codes:  It this a commercial product or splil cleanup that would carry a "U" or "P" waste code under 40 CFR	this an "F" or "K" List	ed waste or mixed with one	? i Yes	□ No	· · · · · · · · · · · · · · · · · · ·		——
If "Yes", then please list ALL applicable codes:			· -				·
xase State Waste Code No: Recycle  Dipper U.S. State Waste Code No: Non-RCRA/Non-DOT Regulated Material  lass: UN/NA: PG: RQ:  Flash Point pH Reactive Sulfides Reactive Cyanides Solids 5200 7 0 mg/l 0 mg/l 100 4  Oil and Grease TOC Zinc Copper Nickel mg/l 0 mg/	s this a commercial pro (61.33(e) or (f)?	duct or splil cleanup that w	ould carry a "U" or	*P* wast	e code under 40 CFR	j <b>V</b> es	, No
Section   Sect	If "Yes", then please	list ALL applicable codes:	· · ·				· — <u> </u>
Section   Sect	exaa Stale Wasle Cod	e No : Recycle	····			<u> </u>	
Flash Point 5200 7 Reactive Sulfides Reactive Cyanides 30lids 100 mg/l 0 mg/l 100 mg/l 100 mg/l 100 mg/l 100 mg/l 100 mg/l 0 mg/			Non-R	CRA/Non	-DOT Regulated Material		
Comparison   Com	Class :	UN/NA:				RQ:	
Comparison   Com	Flash Point	На	Reactive Sulfi	des T	Reactive Cyanides	Solid	
mg/l mg/l 0 mg/l		' ·					
mg/l mg/l 0 mg/l	Oil and Grease	TOC	Zinc		Copper	Nicke	<u></u>
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ETION 8: Attached Supporting Documents  It all documents, notes, date, and/or analysis attached to this form as part of the waste approval package.  ETION 7: Incompatibilities ase list all incompatibilities (if any): dizers  ETION 8: Generator's Knowledge Documentation coratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the owing generators knowledge  P. Metals:  E. Y. P. Volatilies:  X. P. Volatilies:  X. P. Volatilies:  X. X. X. X. X. X. X. X. X. X. X. X. X.	- ·		oecial protective e	quipmen	it, please explain.		
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.P Semi-Volatiles : 및	LP Metals :			÷			
	LP Volatilies :						
ctivity:	LP Semi-Volatiles :	¥					
	activity:	×					

Ignitability:

X

SECT	ION 8: Waste Receipt Cigusification Under 40 CFR 437
Is this	a material a wastewater of wastewater sludge?
IL'YE	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcatagory: Subpart A
	Spent electroplating baths and/or sludges
	Metal linishing ringe water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
· •	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
ē.	Cyanide-containing wastes greater than 136 mg/l
	Weste acids and bases with or without metals
<u> </u>	Cleaning, rinsing, and surface preparation solutions from electropiating or phospha
1 1	Vibratory deburring westewater
	Alkaline and acid solutions used to clean metal pans or equipment
Olis S	ubcategory: Subpert B
	Slip beel
$\overline{\Box}$	Orl-water emulsions or mixtures
Ξ,	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
$\equiv$	Used petroleum products
Ĺ	Oil spiil clean-up
ō	Bilge water
=	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
3	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
$\equiv$	Aqueous and oil mixtures from parts cleaning operations
<u>[]</u>	Wastewaler from oil bearing paint washes
Organ	ics Subcategory Subpart C
	Landfill leachate
	Conteminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation

(1) If the waste contains of	and grease at or in excess of 100 r	ng/L. the waste should t	be classified in	the oils subcategory	
	l and grease less than 100 mg/L, an led below, the waste should be clas			r in concentrations in	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper 4.9 mg/L Nickel, 37.5 mg/L					
	and grease less than 100 mg/L. an he values listed above, the waste sh				,
Metals Subcatego					
Oils Subcatego					
Organics Subcelego	ry	•			
SECTION 10: Additional In	setruction			•	
above and ettached descr deliberate or willful omics	tification  I herein is based on  generate to generate	o the best of my knowl cist and that all known	icdge and abili or suspected	ty to determine that no hazards have been	
Authorized Signature :	Axiel Delli	_	_	<b>A.S.</b>	
	ica Bogan / Agent for Armantorge In	-	Date : Ameriferge	2772006 Environmental Affa	irs Mauayer
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)	$O_0$	Process Fac	cility Information :	
Compliance Officer:	rabhakar Thangudu Poblum	ACH TO THE	385	5 00/drum	
Date : 2/7/2008	Status: Approved	Rejected			
Approval Number:	(1370)				

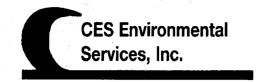


No. 10341

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Cutt eason Paper



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### **Waste Profile Re-Certification Form**

CES	Waste Approval #:	<u>1373</u>
-----	-------------------	-------------

Customer:

**Hydril HEIP** 

Waste Generator:

**Hydril HEIP** 

Waste Stream Name:

Oily Absxorbent Pads and other Misc Debris

**Expiration Date:** 

2/10/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

- □ No changes, please recertify.
- Please send new profile as waste stream has changed.

Customer Name

Signature

Plant Blanger

TILL

Company

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 2/10/2006

Dear Hass Dinbali

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1373

Generator: Hydril HEIP

Address: 18000 Eastex Freeway

Humble, TX 77396

#### **Waste Information**

Name of Waste: Oily Absvorbent Pads and other Misc Debris

**TCEQ** Waste Code #: 00234891

Container Type: Other

25 yd

**Detailed Description of Process Generating Waste:** 

General plant trash and other debris contaminated with lubricating and hydraulic oils.

Color: Varies

Odor: Oil

**pH:** 5-11

Physical State: Solid Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	ator Information								
Company :	Hydril HEIP					·	<u></u> .		
Address :	18000 Eastex Freev	18000 Eastex Freeway							
City, State, Zip:	Humble TX 77396								
Contact :	Hass Dinbali			Titl	e :		·		
Phone No:	(281) 446-0041	281) 446-0041 Fax :							
24 / HR Phone :									
U.S EPA I.D No:	TXD096617907								
State I.D :	33785			SIC	Code				
SECTION 2: Billing	Information								
Company:	Hydril HEIP	·		·	· .				
Address :	18000 Eastex Freev	vay							
City, State, Zip:	Humble TX 77396								
Contact:	Hass Dinbali			Titl	e:				
Phone No :	(281) 446-0041	-		Fax	<b>c:</b>				
OFOTION 2: Gener	· Dintian of the M								
	Oily Absyorbant Roc		r - Dahala						
	Oily Absxorbent Pac			·			- Indiana		
-	tion of Process Gen	_							
General plant trash and other debris contaminated with lubricating and hydraulic oils.									
			itir tabrioatii g arii	a riyaradile	ons.				
Physical State :	Liquid		udge	Powder					
Physical State :	Liquid	☐ SI	udge	Powder	•				
		☐ Sl	udge ter Cake	Powder Combin	•				
Physical State : Color :	Liquid	☐ SI	udge	Powder Combin	•		Oil		
	☐ Liquid ☑ Solid	☐ Sl	udge ter Cake	Powder Combin	•	12	Oil lbs / gal		
Color :	☐ Liquid ☑ Solid  Water=1):	☐ SI ☐ Fill Varies 1.5	udge ter Cake	Powder Combin	•				
Color : Specific Gravity ( Layers :	☐ Liquid ☑ Solid	☐ SI ☐ Fill Varies 1.5 ☐ Mo	udge ter Cake Odd Der ulti-Phase	Powder Combin or:	nation		lbs / gal		
Color : Specific Gravity (	☐ Liquid ☑ Solid  Water=1):	☐ SIc ☐ Fill Varies 1.5 ☐ Mc	udge ter Cake Odd	Powder Combin or:	•				
Color : Specific Gravity ( Layers :	☐ Liquid ☑ Solid  Water=1): ☑ Single-Phas	☐ SIc ☐ Fill Varies 1.5 ☐ Mc	udge ter Cake Odd Der ulti-Phase	Powder Combin or:	nation		lbs / gal		
Color : Specific Gravity ( Layers : Container Type :	☐ Liquid ☑ Solid  Water=1): ☑ Single-Phas	☐ SIc ☐ Fill Varies 1.5 ☐ Mc	udge ter Cake Odd Der ulti-Phase	Powder Combin or:	nation		lbs / gal		
Color : Specific Gravity ( Layers : Container Type : Container Size :	☐ Liquid ☑ Solid  Water=1): ☑ Single-Phas ☐ Drum ☐	☐ SIc ☐ Fill Varies 1.5 ☐ Mc	udge ter Cake Odd Der ulti-Phase	Powder Combin or:	nation		lbs / gal		
Color: Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast	☐ Liquid ☑ Solid  Water=1): ☑ Single-Phas ☐ Drum ☐	☐ SII ☐ Fill Varies 1.5 ☐ Me	udge ter Cake Odd Der ulti-Phase Truck	Powder Combin or: nsity:	nation	12	lbs / gal		
Color: Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast	☐ Liquid ☐ Solid  Water=1): ☐ Single-Phas ☐ Drum ☐ 1 te Code No: ☐ Waste Code No:	☐ SII ☐ Fill Varies 1.5 ☐ Me	udge ter Cake Odd Der ulti-Phase Truck	Powder Combin or: nsity:	nation	12	lbs / gal		
Color: Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast Proper U.S. State	☐ Liquid ☑ Solid  Water=1): ☑ Single-Phas ☐ Drum ☐ ☐ 1 ☐ Ce Code No: ☐ Waste Code No: ☐ UN/	☐ SII ☐ Fill Varies 1.5 ☐ Mill ☐ Tote ☐ 0023489	udge ter Cake Odd Der ulti-Phase Truck	Powder  Combination:  The Combination of the Combin	nation  ner (explain)  -DOT Regulated	12 Material	lbs / gal		
Color : Specific Gravity ( Layers : Container Type : Container Size : Number Of Units Texas State Wast Proper U.S. State Class :	☐ Liquid ☑ Solid  Water=1): ☑ Single-Phas ☐ Drum ☐ 1 ☐ Ce Code No: ☐ UN/ ☐ UN/	Sin   Sin   Sin   Sin   Varies   1.5   Sin   Min   Sin   Min   S	udge ter Cake Odo Der ulti-Phase Truck  1	Powder  Combination:  The Combination of the Combin	nation  DOT Regulated  na	12 Material	lbs / gal 25 yd RQ :na		
Color: Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast Proper U.S. State Class: na	☐ Liquid  ☑ Solid  Water=1): ☑ Single-Phas ☐ Drum ☐ ☐ 1 ☐ Ce Code No: ☐ UN/ ☐ UN/ ☐ 5-	Sin   Varies   1.5   Min   Tote   0023489   NA :	udge ter Cake Odo Der ulti-Phase Truck  1 Non-	Powder Combin or: nsity:  Oth RCRA/Non PG:	nation  DOT Regulated  na  Reactive Cyan	12 Material	lbs / gal 25 yd RQ :na Solids		

### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Rubber	20-40	%
Absorbent Pads	20-40	.%
Debris (Gloves, Paper, Cardboard, Plastic, etc)	20-40	%
Lubricating Oil	1-3	%
Labilodding Oil	•	,,

	Rubber		20-40	%
	Absorbent Pads		20-40	%
Det	oris (Gloves, Paper, Cardboard, Plastic, etc)		20-40	%
	Lubricating Oil		1-3	%
SECTION 5: Safety Related	d Data			
f the handling of this w	vaste requires the use of special protective equipm	nent, please explair	n.	
none				
COTION C. Attached Cun	Was Barrier and			
SECTION 6: Attached Sup	· · · · · · · · · · · · · · · · · · ·		enchang learning	
List all documents, not non	es, data, and/or analysis attached to this form as p	ORT OF THE WASIE AP	provai packaye.	·
SECTION 7: Incompatibilit	ties			
Please list all incompat	tibilities (if any):			
none				
	(nowledge Documentation	······································		
following generators kr	_	WAS NOT PERFOR	RMED based upon t	the
TCLP Metals :	None present based on process knowledge			
TCLP Volatilies :	None present based on process knowledge			
TCLP Semi-Volatiles :	None present based on process knowledge			
Reactivity :	None present based on process knowledge			
Corrosivity :	None present based on process knowledge			
Ignitability :	None present based on process knowledge			
SECTION 9: Generator's C				
above and attached des deliberate or willful omi	ned herein is based on 🗹 generator knowledge a scription is complete and accurate to the best of m issions of composition properties exist and that alt the materials tested are representative of all mate	y knowledge and a I known or suspec	ability to determine ted hazards have b	that no
Authorized Signature :		Date :	2/10/2006	
Printed Name / Title :	Hoss Dinball /	<del></del>	·	
CES USE ONLY (DO N	OT WRITE IN THIS SPACE)	Additi	ional Information	
Compliance Officer :	Prabhakar Thangudu			
Date : 2/10/20	06 Status: Approved Rejected			
Approval Number :	1373			

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge?
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
$\overline{\Box}$	Spent anodizing solutions
$\overline{\Box}$	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# Waste Pre-Acceptance/Approval Letter

Date 6/12/2008

Dear David Barnan

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1373

Expiration Date 2/10/2009

Generator: Hydril HEIP

Address: 18000 Eastex Freeway

Humble, TX 77396

**Waste Information** 

Name of Waste: Oily Absorbent Pads and other Misc Debris

**TCEQ Waste Code #:** 00234891

Container Type: Other

**Detailed Description of Process Generating Waste:** 

General plant trash and other debris contaminated with lubricating and hydraulic oils.

25 yd

Color: Varies

Odor: Oil

**pH:** 5-11

Physical State: Solid Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Weste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator information							•					
Company:	Hydril HEIP												
Address:	18000 Eastex F	reeway 1	8000 Ea	ster Fre	eway								
City, State, Zip :	Humble TX 773	196											
Contact:	Haes Dintseli	DAUI	<b>)</b>	MAN			Title :						
Phone No:	(281) 985-8741	875	5				Fax:						
24 / HR Phone:													
U.S EPA I.D No :	1XD096617907	7											
State I.D:	33785					·	_SIC C	ode					
SECTION 2: Billing	i information												
Company:	Hydril HEIP												
Address ;	18000 Eastex F	reeway 1	8000 Ea	stex Fre	OWAY								
	Humble TX 773				<u>_</u> _						•		
Contact :	Hass Dinbali						Title :						·
Phone No:	(201) 985-8741		-100 6 . Q.1V	• • • • •			Fax:	_	<del></del>				
SECTION 3: Gener	el Description of	he Weste											
Name of Waste :	Oily Absorbent	Pada and	other Mit	c Debri									
Detailed Descrip	tion of the Proc	eus Gene	rating W	aste:									
General plant tras			•		ating a	nd hydr	autic oils	5.					
Physical State :	∏ Liquid		<u> </u>	adge.		Po	wder						
	Solid		🗆 Pil	ter Gake	ı	☐ Co	mbinati	ол					
Color:	<b>-</b> .	9, <i>28</i> mb1 9,144mm	Veries		0	lor:		· _			Oli		
appoinc Gravity	(Water=1) :	·	1.5		Do	neity:				12	با جمعت	· 	ibe / gal
Does this meterial	contain any total	phonalic c	owborato	187	[] Y	<b>76</b>	∐ No	<b>)</b>					
Does this material	contain any para	substitute	i phenolik	compo	unda?	į	~ Yes	£	] No				
ls the Waste subject	of to the benzene	waste ope	retion NE	SHAP? (	40 CFR	Part 61,	Subpart	(FF)		Yes		No	
2912 2613 2	1916 <b>29</b> 19 26	21 2622	2623	2 <b>6</b> 24	2633	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	2869 2973 26	74 2876	2879	2891	2 <b>99</b> 2	2893	2896	2899	2911	3312	4953	<del>49</del> 59	9511
Layers:	<b>⊠</b> Single-l	Phae	□ Mu	alti-Pha	80								
Container Type:	□ Drum		Tote		Truck	: <u> </u>	Other	(explai	n)		25)	<u>rd</u>	
Container Size :	1. · · · · · · · · · · · · · · · · · · ·												
Number Of Units	:t												
Is this a USEPA "(	<b>Hazardous Wast</b> ease complete, sig					Yes Constitue	nta Form		d hereto				
If "Yes", is it:			EOVA 🗍	-									

	2819858600		H, 'H,	i_i <b>s</b>	MINT.	•	70 010 YE	
	B000 🗇		<del>-</del>	D				
Characteristics for Toxic	Annanire: Ans 2 the		<del>-</del>					···
			hamba inte su cont ab	MotA)	<u> </u>		= •= 4/ /- 1	
Is this on "F" or "K" Lists			🗓 Yes 🗔	No				
If "Yes", then please	list ALL applicable o	odes:						
Is this a commercial proc 261.33(e) or (f)7	luct or spill cleanup	that wou	ild carry a "U" or "P'	" Whith	o code under 46	CFR 🦳	Yes [	No
If "Yes", then please	llet ALL applicable c	odes:						
exes State Waste Code	No:0	0234691						-
roper U.S. State Waste	Code No :		Non-RCR	A/Non-	-DOT Regulated	Material		
Clase: na	UNMA:	na		PG :	na		RQ:	ПВ
Fiash Point	Hq		Reactive Sulfide:	•	Reactive Cyar	ides	Solid	<b>b</b>
>200	6-11	_	0 (	mg/i	0	mg/l	100	
Oil and Grease	TOC		Zinc		Copper		Nicke	d .
Agm 0031<	ne	mg/i	na ı	mg/i	na	mg/l	na	ın.
CTION 4: Physical and C		<del></del>						
	COMPONENTS	•	• (			ncentratio		Units
The material /	product consists o		lowing meterials		Rangee	are accep	teble	or %
	nedquR Absorbent P					20-40 20-40		% %
. Bahal	• • • • • •							
		Shoard Pi	estic etcl			20-40		%
	s (Gloves, Paper, Card Lubricanno		estic, etc)			20-40 1-3		% %
Cebil	Lubricating		estic. etc)					
ECTION 5: Salety Related I	Lubricating	— —		<del>,</del>		1-3	· · · · · · · · · · · · · · · · · · ·	
	Lubricating	— —		ipmen	ıt, pleuse explai	1-3		
ECTION 5: Salety Related I	Lubricating	— —		ipmen	it, please explai	1-3		
SCTION 5: Salety Related I	Lubricating	— —		ipmen	it, please explai	1-3		
ECTION 6: Salety Related I the handling of this wa one	Lubricating  Data  ste requires the us	— —		ipmen	it, please expiel	1-3		
ECTION 5: Safety Related the handling of this was	Lubricating  Data  ate requires the us  orting Documents	OH oo of spe	gial protective equ			1-3 n.	skage.	
ECTION 5: Salety Related in the handling of this was one ECTION 8: Attached Suppose tall documents, notes	Lubricating  Data  ate requires the us  orting Documents	OH oo of spe	gial protective equ			1-3 n.	skage.	
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ECTION 6: Salety Related I the handling of this wa one ECTION 8: Attached Suppo et all documents, notes	Lubricating  Data  ate requires the us  orting Documents	OH oo of spe	gial protective equ			1-3 n.	skage.	
ECTION 6: Salety Related the handling of this was one ECTION 8: Attached Suppose all documents, notes	Data ste requires the us orting Documents s, data, and/or anal	OH oo of spe	gial protective equ			1-3 n.	skage.	
ECTION 5: Salety Related I the handling of this wa one ECTION 8: Attached Supposit all documents, notes	buting Documents to data, and/or anal	OH oo of spe	gial protective equ			1-3 n.	skage.	
ICTION 6: Safety Related I the handling of this wa ine ICTION 8: Attached Supposit all documents, notes ICTION 7: Incompatibilitie	buting Documents to data, and/or anal	OH oo of spe	gial protective equ			1-3 n.	skage.	
ICTION 6: Salety Related I the handling of this wa ine ICTION 8: Attached Supposit at all documents, notes ICTION 7: Incompatibilitie	buting Documents to data, and/or anal	OH oo of spe	gial protective equ			1-3 n.	skage.	
ICTION 6: Salety Related I the handling of this wa ine ICTION 8: Attached Supposit at all documents, notes ICTION 7: Incompatibilitie	buting Documents to data, and/or anal	OH oo of spe	gial protective equ			1-3 n.	skage.	
ECTION 6: Safety Related I the handling of this wa one ECTION 8: Attached Supposit all documents, notes on	but the use of the use	OH of spe	gial protective equ			1-3 n.	sk <b>age</b> .	
ECTION 5: Salety Related in the handling of this was one one of the second support of the discondition of the second support of the	bubricating  Data  ate requires the us  orting Documents  a, data, and/or anal  stilities (if any):  owledge Documents  e hazardous wests	OH of spe	ciul protective equ ched to this form a	se peri	i of the <b>watte</b> aj	n. Oproval pa		*
ECTION 5: Salety Related Inthe handling of this was one ECTION 8: Attached Suppost all documents, notes on ECTION 7: Incompatibilities Gase list sil incompatibilities Incompa	bubricating  Data  ate requires the us  orting Documents  a, data, and/or anal  stilities (if any):  owledge Documents  e hazardous wests	of spe lysis atta	cial protective equ ched to this form a	se peri	i of the <b>watte</b> aj	n. Oproval pa		*
ECTION 6: Safety Related I the handling of this wa one  ECTION 8: Attached Support at all documents, notes on  ECTION 7: Incompatibilitie teas list sil incompatib one  ECTION 8: Generator's Kno aboratory analysis of th illowing generators kno	bubricating  Data  ate requires the use ording Documents  at data, and/or analytics (if any):  covering Documents  a hazardous wasta wiedge	don charact	ciul protective aqu ched to this form s aristics, listed balo cess knowledge	se peri	i of the <b>watte</b> aj	n. Oproval pa		*
ECTION 5: Salety Related I	butercang  Data  ste requires the us  orting Documenta  i, data, and/or anal  stilities (if any):  owledge Documentate hexardous weste wiedge None present bas	tion charact	cial protective equiched to this form a eristics, listed beloccess knowledge	se peri	i of the <b>watte</b> aj	n. Oproval pa		*

(1) If the waste contains oil and greece at or in excess of 100 mg/L, the waste should be classified in the oils subcategory (2) If the wests contains all and grease less than 100 mg/L, and has any of the pollutents listed below in concentrations in excess of the values listed below, the wests should be classified in the metals subcategory Cadmium; 0.2 mg/L Chromium: 8.9 ma/L Copper: 4.9 mg/L Nickel: 37.5 mg/L (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcatego Oils Subcatego Organics Subcategory SECTION 10: Additional Instruction If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Greass, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to ecceptance, The generator will be responsible for the cost of the analysis. **GECTION 11: Generator's Certification** The information contained herein is based on 🕍 generator knowledge and/or 🗔 analytical data. I hereby carity that the above and attached description is complete and accurate to the beat of my knowledge and ability to determine that no deliberate or willful omissions of composition proporties exist and that all known or suspected hazards have been disclosed. I certify that the metaffalts qued are representative of all materials described by this document. Authorized Signature : 2/10/2006 Date: Printed Nema / Title: CER USE ONLY (DO NOT WRITE IN THIS SPACE Process Facility Information : Reship offsite as CES Class 1 Solide. Charge \$55/yd + \$69/hr trans + FSC (4 hr min) Compliance Officer: Prabhakar Thangudu **Approved** Rejected 2/10/2007 Status : Date:

1373

Approval Number :

	0/2008 14:40 Delvity:	281 9858500 None present based on or	ocess knowle		HUMBLE	-	, 4
Ignitu	ibility:	None present based on pr	coasa knowled	dae			
SECT	ION 9: Waste Recalpt	Classification Under 40 CFR 4	37				
la this	material a westewat	er or wastowater sludge ?	☐ YES	W NO			
	S', complete this sect	_					
	i i				00 70 745		***
	•_	PROPRIATE BOX: IF NO AI	PROPRIATE	CATEGORY	, GO 10 IME	NEXI	PAGE
	s Subcategory; Su	•					
	_ · · · · · · · · · · · · · ·	baths and/or sludges					
		water and sludges					
<u> </u>	Chromate wastes	blow down water and sludge					
	•	· · · · · · · · · · · · · · · · · · ·					
	Spent anodizing sol						
	Incineration wastew						
	Waste liquid mercul	wastes greater than 138 mg/	n				
		wastes graded than 130 mg/	•		,		
		nd surface preparation solution	ans from elect	rodation or o	haanhe		
	Vibratory deburning			nobratinia or h			
	•	ilutions used to clean metal a	arte or equipt	nent			
					$\frac{1}{2} \left( \mathbf{v}_{1} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \cdot \mathbf{v}_{2}$		
Oils S	ubcategory: Sui	bpart 8					
	Used oils	•					
	Oll-water emulsions	or mixtures					
	Lubricanta						
	Contents						
<u> </u>	Contaminated groun	ndwater clean-up from petrol	sum sources				
$\Box$	Used petroleum pro	ducts					
	Oil spill clean-up						
	Bilge water						
Ü	Rinse/wash waters t	irom petroleum sources					
	interceptor westes						
	Off-specification fue	la .					
		e remediation wastes					
. 🗀		petroleum or aily sources					
Ц	Non-contact used gl	•	<b>A7</b>				
	•	dures from parts cleaning op	erations				
	Westewater from oil	bearing paint washes					
	1 <b>G</b> .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Organ	ica Subcatepory \$4 Landfill leachate	uppart C					
		dwater clash-up from non-pe	eiroleum agum	205			
	Solvent-bering wast			<del>-</del>			
	Off-specification org						
	Still bottoms						
	Byproduct weete gly	col					
	Wastewater from pa						
		hesive and/or epoxies formu	lation				

Westewater from organic chemical product operations

Calpine Baytown Energy Both Profile 1374

orten



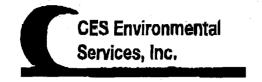
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P.02



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

Customer:	Calpine Baytown Energy Cente
Wasta Camarator	Calnina Raytown Engray Conta

Waste Stream Name:

CES Waste Approval #:

Oily Water

Expiration Date: 2/14/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

☐ Please send new profile as waste stream
has changed.
Baytown Energy Center Customer Name
Richard Dann
Signature
Calpine / Plant Engineer Company / Title
_
1/9/08 Date
en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co

No changes, please recertify.

Analysis is NOT required for recertification.

☐ The following analysis is required for recertification. Please sumbit results of the following tests.

LI TCLP Metals

1) TCLP Volatiles

11 TCLP Semi-volatiles

11 Reactivity

11 Corrosivity

L. Ignitability

PRT

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 2/14/2006

Dear Perry Cruthurds

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1374

Generator: Calpine Baytown Energy Center

**Address:** 8605 FM 1405

Baytown, TX 77520

#### Waste Information

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Oily water generated from the cleaning (pressure washing) of oil soaked concrete.

Color: Milky-Clear

Odor: None

**pH:** 5-11

Physical State: Liquid Incompatibilities: none

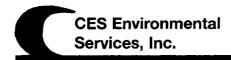
Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information		_				
Company :	Calpine Baytow	n Energy Cent	er			·	
Address :	8605 FM 1405						
City, State, Zip:	Baytown TX 775	520					
Contact :	Perry Cruthurds	3		т	itle :		
Phone No:	(281) 303-4200			F	ax :		
24 / HR Phone :							
U.S EPA I.D No :							
State I.D :				s	IC Code		
SECTION 2: Billing	Information						
Company:	Calpine Baytow	n Energy Cent	er				
Address :	8605 FM 1405						
City, State, Zip:	Baytown TX 775	520					
Contact :	Perry Cruthurds	<b>,</b>		Т	itle :		
Phone No:	(281) 303-4200		-	F	ax:		
SECTION 3: General	al Description of t	he Waste					
Name of Waste :	<del></del>		· 			<u>.</u> :	
Detailed Descript	tion of Process	Generating W	aste:			-	
Oily water general				oil soaked concre	ete.		
Physical State :	<b>✓</b> Liquid		Sludge	Powd	er		
•	Solid		Filter Cake	Comb	ination		
Color:		Milky-	Clear	Odor:		· N	one
Specific Gravity (	(Water=1) :	.95		Density :		8	lbs / gal
Layers :	⊤ Single-F		Multi-Phas			<del></del>	
			•		thar (avalain)		
Container Type :	Drum	_ Tote			ther (explain)		
Container Size :			·	2000	<del></del>		
Number Of Units	:1						
Texas State Was	te Code No :	Rec	ycle	<u> </u>			
Proper U.S. State	Waste Code No	o:			n/a		
Class: na		UN/NA :	na	PG:	na		RQ: na
Flash Poin	t	рΗ	Read	ctive Sulfides	Reactive Cyar	nides	Solids
>200	_	5-11		0 mg/l	0	mg/l	2 %
Oil and Grea	ise	TOC		Zinc	Copper		Nickel
>1500	mg/l	na m	g/l	nd mg/l	nd	mg/l	nd mg/l

CC	DMPONENTS TABLE	Concentration	Units
The waste cor	nsists of the following materials	Ranges are acceptable	or %
	Water	95-98	%
	Lubricating oil	2-3	%
Solid	ds (Concrete dust and dirt)	0-1	%
SECTION E O.C. D. L. L.D.		<del></del>	
SECTION 5: Safety Related Data			
	quires the use of special protective equ	ipment, please explain.	
If the handling of this waste re	quires the use of special protective equ	ipment, please explain.	
f the handling of this waste re	quires the use of special protective equ	ipment, please explain.	
SECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, please explain.  none			
f the handling of this waste re- none		ipment, please explain.	
f the handling of this waste renone  SECTION 6: Attached Supporting I	Documents		
f the handling of this waste re- none SECTION 6: Attached Supporting I			
f the handling of this waste re- none SECTION 6: Attached Supporting I	Documents		
f the handling of this waste re- none SECTION 6: Attached Supporting I	Documents		
f the handling of this waste re- none SECTION 6: Attached Supporting I List all documents, notes, data none	Documents		
f the handling of this waste re- none SECTION 6: Attached Supporting I	Documents a, and/or analysis attached to this form a		

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals: not required per process knowledge

TCLP Volatilies: not required per process knowledge

TCLP Semi-Volatiles: not required per process knowledge

Reactivity: not required per process knowledge

Corrosivity: not required per process knowledge

Ignitability: not required per process knowledge

**SECTION 9: Generator's Certification** 

**Authorized Signature:** 

The information contained herein is based on  $\checkmark$  generator knowledge and/or  $\Box$  analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Printed Name / Title :	Perry Cruthirds / Op	s Mgr.	<del></del> -	
CES USE ONLY (DO N	OT WRITE IN THIS S	Add	ditional Information	
Compliance Officer :	Prabhakar Thangu	du du		
Date : 2/14/20	006 Status :	Approved Rejected		
Approval Number :		1374	_	

2/10/2006

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge ?    YES    NO
If 'YE	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
0:1- 6	North was a Colorest D
UIIS S	Gubcategory: Subpart B Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
	wastewater from on bearing paint wasnes
Orgar	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

**NEXT PAGE** 

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	✓ Oils Subcatego
	☐ Organics Subcategory

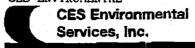
#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

7137488664

JUN-04-2000 11:33

CES ENVIROMENTAL



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator information											
Company:	Calpine Baytown	Energy Center	-									
Address:	8605 FM 1405 B	605 FM 1405										
City, State, Zip:	Baytown TX 7752	20							_			
Contact:	Lue Miller					Title :			_			
Phone No:	(281) 303-4200					Fax:	(28)	1) 303-	4299			
24 / HR Phone:												
U.S EPA I.D No:	TXR000043976											
State I.D :	86845					SIC Cod	ie					
		·										
SETTION 2: Billing	Information											
pany:	Calpine Baytown	Energy Center				v						
a. dess:	8605 FM 1405 8											
City State, Zip:	Baylown TX 7752	*******						,				<del></del>
Contact:	Lue Miller					Title :						
Phone No:	(281) 303-4200					Fax :	(281	1) 303-	4299			
•	-	- \E(						•				
SECTION 3: General		e warte										
Name of Waste:								<del></del>				
Detailed Descript	tion of the Proces	ss Generating V	Vaste:									
Oily water generat	ed from the clean	ng (pressure wa	ishing) of	oil soaked	i conc	rete.						
Physical State :	Liquid	j si	ludge	3	Pow	/der						
	🗭 Solid	€ FI	itar Cake	7	<u>⊪</u> Соп	nbination				4		
alor :		Milky- Cle	ar	Odor	:					None:		
Cific Gravity (	Water=1):	.95-1		Densi	itv :				8			lbs / gal
his material		onelic compoun		Yes								
, id				_	_	∐ No		) se_				
San Material (	•							No		_ <u></u>		
the Waste subject	it to the benzene w				t 61, E	Subpart F	F)	Ш	Yes		No	
	816 2819 282		2824		834		2836	2841	2842	2843	2844	2851
2861 2865 2	869 2873 2874		2891	<del>-</del>	893	2896	2899	2911	3312	4953	4959	9511
Layers:	⊡ Single-Pl	as 🛂 M	ulti-Phas	e								
Container Type :	E Drum	™ Tote	<b>2</b>	Truck	11X	Other (e	xplain)	)				
Container Size :	2000											
Number Of Units	:1	•										
Is this a USEPA "H	lazardous Waste"	per 40 CFR 261	.3?	☐ Ye	5	☐ No						
If "Yes", then ple	ase complete, sign (	and date the Under	rlying Haza	ırdaus Cons	titueni	is Form at	ttadhed l	hereto				
🦫 "Yes", is it: 🔲	) D001 🔲 D0	02 🔲 D003		•								

06/04/08 11:4	3 FAX 4256404998	SWC_BILLING	DEPT	<b>4</b> 2] 0
JUN-04-2008 1	1:33 _ CES_EN	VIROMENTAL		7137488664 P.00
	🗌 800d 🗍 D	009 🔲 D010 🔛 t	0011	
Characteristics for Toxic C	Organics: D012 thru D043 (	please list all that apply)		
	waste or mixed with one?	Yes No		
If "Yes", then please II	st ALL applicable codes:			
	uct or spill cleanup that wo	uld carry a "U" or "P" was	te code under 40 CFR [	Yes 🗌 No
261:33(e) or (f)?				
If "Yes", then please f	ist ALL applicable codes:			]
			· · · · · · · · · · · · · · · · · · ·	
exas State Waste Code	No: Recycle			
roper U.S. State Waste	Code No :	·	n/a	
jass: na	UN/NA; na	PG:	na	RQ: na
1.3.		Reactive Sulfides	Reactive Cyanides	Solids
Flash Point	pH 5-11	Meactive Suitides mg/l	0 mg/l	2 %
	3-11			
Oil and Grease	тос	Zinc	Copper	Nickel
	na mg/l	ndmg/l	ndmg/l	ndmg/l
ECTION 4: Physical and Ch	·········			
	COMPONENTS TABLE			
i ne material /	product consists of the fo Water	llowing materials	Ranges are acc	ceptable or %.
	Lubricating oil		2-3	% %
	Solids (Concrete dust and di	n)	0-1	%
		•		
TION 5: Safety Related D			-AA	
handling of this wa:	ste requires the use of sp	scial protective equipme	nt, piease explain.	
		1		
ECTION 6: Attached Suppo				
	, data, and/or analysis att	ached to this form as pa	rt of the waste approval	package.
one				
'مسر، 				
ECTION 7: Incompatibilities	·			
lease list all incompatib	ilities (if any);			
one				
<b>X</b>				
TION 8: Generator's Kno				
	hazardous waste charac	teristics, listed below, V	VAS NOT PERFORMED L	ased upon the
அவர் <b>ing generators kno</b>	*			
CLP Metals :	not required per process I			
CLP Volatilies :	not required per process l	•		
CLP Semi-Volatiles:	nat required per process t	mowledge		
eactivity:	not required per process k	nowledge		
•		2		•

\_

Contaminated groundwater clean-up from non-petroleum sources

Wastewater from adhesive and/or epoxies formulation Wastewater from organic chemical product operations

 $\Box$ 

Solvent-bering wastes

Byproduct waste glycol
Wastewater from paint washes

Still bottoms

Off-specification organic product

**2** 004

P.004

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
06/04/08 11:44 FAX 4256404998	SWC BILLING	DEPT		Ø 00
JUN-04-2009 11:34 CES ENVIRON	MENTAL		7137499664	P.00
4. If the waste contains oil and grease at or in excess of 10	00 mg/L, the waste s	should be classified	in the oils subcategory	
(4) If the waste contains oil and grease less than 100 mg/L, excess of the values listed below, the waste should be of			ow in concentrations in	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L				
(3) If the waste contains oil and grease less than 100 mg/L, or nickel above any of the values listed above, the waste				er,
☐ Metals Subcatego				
☑ Oils Subcatego				
☐ Organics Subcategory				
EXECTION 10: Additional Instruction  Line cannot determine the correct subcategory in Section 9  Committee, Copper, Nickel, and Oil and Grease, CES will se  Experient rations. This will be prior to acceptance. The genera	end offsite to a comm	nercial laboratory a	sample to determine thes	<b>ie</b> .
SECTION 11: Generator's Certification				
The Information contained herein is based on generabove and attached description is complete and accurate deliberate or willful omissions of composition properties disclosed. I certify that the materials tested are representations.	te to the best of my s exist and that all	knowledge and a known or suspect	bility to determine that red hazards have been	
Authorized Signature : Lichard Dan		Date :	2/10/2006	
Printed Name / Title: Perry Crothirds / Ops Mgr. Richa	nd Damon/Plant 1	Engrace		
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	ON 11 A	Process	Facility Information :	
Compliance Officer: Prabhakar Thangudu Pelli	with a	Tran	.28/gal ns \$69/ <u>hr</u> plus fsc	

Rejected

Approved

1374

Status:

inte:

epproval Number:



No. 10341

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Smead com - Made in USA

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Cutl again Paper



Date



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #:	<u>1378</u>								
Customer:	Enterprise Pro	ducts Operating, L.P. [Splitter III)							
Waste Generator:	Enterprise Pro	nterprise Products Operating, L.P. [Splitter [II]							
Waste Stream Name:	Aqueous Wast	Aqueous Waste with Low Organic Content							
Expiration Date:	2/14/2008								
waste profiles on an annua the generation process of the hazardous as per 40 CFR 2 Generator hereby certifies	I basis. The purpose he aforementioned w 61.3. that the components	ental Services, Inc. requires recertification of all approved of this form is to confirm that no changes have been made in aste stream and that the waste stream remains classified as non- in the aforementioned waste stream and the process generating ed the aforementioned CES Waste Approval Number: (Check							
No changes, please rece	ertify.	Analysis is NOT required for recertification.							
Please send new profile has changed.	as waste stream	The following analysis is required for recertification. Please sumbit results of the following tests.							
Customer Name		A TCLP Metals S TCLP Volatiles A TCLP Semi-volatiles							
EU LASZCZ Signature PCO/ENVIRONME	wra Scientis	Reactivity Corrosivity Xi Ignitability							
Company / Title									
1-31-08									

## Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476 4406

**CES Environmental Services** 

4904 Griggs Rd

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

Attn:

**Ryan Thomas** 

- CERTIFICATE OF RESULTS -

MES Lab#:

801 486

Client Sample ID:

010-36

Sample Receipt Date: 1/18/2008 @ 11:15:00 AM

Test Group / Method							
TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units		Analyst: HD Date / Time	G
Vinyl chloride	0.10	0.2	< 0.10	mg/L		1/24/2008 /	12:32 AM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L		1/24/2008 /	12:32 AM
2-Butanone	0.50	200	< 0.50	mg/L		1/24/2008 /	12:32 AM
Chloroform	0.05	6	< 0.05	mg/L		1/24/2008 /	12:32 AM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L		1/24/2008 /	12:32 AM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L		1/24/2008 /	12:32 AM
Benzene	0.05	0.5	< 0.05	mg/L		1/24/2008 /	12:32 AM
Trichloroethene	0.05	0.5	< 0.05	mg/L		1/24/2008 /	12:32 AM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L		1/24/2008 /	12:32 AM
Chlorobenzene	0.05	100	< 0.05	mg/L		1/24/2008 /	12:32 AM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L		1/24/2008 /	12:32 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L		1/24/2008 /	12:32 AM
TOLD Down Valetiles						Analysis TET	<b>,</b>
TCLP Sem-Volatiles Method: SW-846 8270C	MDL	RL	Result	Units		Analyst; TFF Date / Time	ζ.
Pyridine	0.05	5	< 0.05	mg/L		1/23/2008 /	9:47 AM
1,4-Dichlorobenzene	<b>0</b> .05	7.5	< 0.05	πıg/L		1/23/2008 /	9:47 AM
o-Cresol	0.05	200	< 0.05	mg/L		1/23/2008 /	9:47 AM
m+p-Cresol	0.05	200	< 0.05	mg/L		1/23/2008 /	9:47 AM
Hexachloroethane	0.05	3	< 0.05	mg/L		1/23/2008 /	9:47 AM
Nitrobenzene	0.05	2	< 0.05	mg/L		1/23/2008 /	9:47 AM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L		1/23/2008 /	9:47 AM
2,4,6-Trichlorophenol	0.05		< 0.05	mg/L		1/23/2008 /	9;47 AM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L		1/23/2008 /	9;47 AM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L		1/23/2008 /	9:47 AM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L		1/23/2008 /	9:47 AM
Pentachlorophenol	0.50	100	< 0.50	mg/L	13.	1/23/2008 /	9:47 AM
- Gitadine opilare.	3,00						

Report Date: 28-Jan-08

Page 1 of 2

#### - CERTIFICATE OF RESULTS -

MES Lab#:

8010486

Client Sample ID:

0108-36

Sample Receipt Date: 1/18 2008 @ 11:15:00 AM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: AM Date / Time
Arsenic	0.050	5	0.107	mg/L	1/21/2008 / 6:46 AM
Barium	0.002	100	0.018	mg/L	1/21/2008 / 6:46 AM
Cadmium	0.004	1	< 0.004	mg/L	1/21/2008 / 6:46 AM
Chromium	0.007	5	< 0.007	mg/L	1/21/2008 / 6:46 AM
Lead	0.010	5	< 0.010	mg/L	1/21/2008 / 6:46 AM
Selenium	0.050	1	< 0.050	mg/L	1/21/2008 / 6:46 AM
Silver	0.002	<b>5</b> ° - ''	< 0.002	mg/L	1/21/2008 / 6:46 AM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	1/22/2008 / 12:52 AM
Reactivity, Recoverable Hyd Method; 7.3.3.2	rogen Cyanide MDL		Result	Units	Analyst: AB Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	1/23/2008 / 11:39 AM
Reactivity, Recoverable Hyd Method. 7.3.4.2	rogen Sulfide MDL		Result	Units	Analyst: ASB Date / Time
Hydrogen Sulfide	0.25		< 0.25	mg/kg	1/23/2008 / 10:00 AM
Corrosivity: pH Method: SW-846 9045	MDL		Result	Units	Analyst: JE Date / Time
рН			9.74		1/22/2008 / 1:46 PM
					Analyst: DEB
Ignitability Method: SW-846 1010	MDL_		Result	Units	Date / Time

Elane:	⊔.	Evenade "High )	Emit"	 Balow "	I was I	im:40	D1	are guilaters	limit

Holland D. Gilmore, Laboratory Director

Monday, January 28, 2008

Date

Report Date: 28-Jan-08

Page 2 of 2

PAGE 02/05

WEZ

2814764406

p0:60 800Z/0E/T0

8010486					The property of		1			-
		MERCU		/IRONM /QC RE	ENTAL SERVIC	ES		- (1.4)	3	
		र्था क्षेत्रकार क्षेत्रकार के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के स्थापन के		ž.	a site			de filipe graph	vai.	
								•		
SURROGATE	SPIKE RECO	VERY FO	R VOLA	TIL <u>ES</u>			% REC	;		
Dibromofluoror Toluene-d8 4-Bromofluorob					e esta		108.2 92.8 104.7			
SURROGATE	SPIKE RECO	VERY FOI	R SEMIV	/OLATII	LES		% REC			
2-Fluorophenol Phenol-d6 Nitrobenzene-d 2-Fluorobiphen 2,4,6-Tribromol p-Terphenyl-d1	5 yl phenol						49.3 35.0 39.2 107.5 82.7 76.9			
ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD	
Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.024 < 0.001	94 105.0 109.4 109 106.1 101.0 108.1 110	94 105 110.9 107 109.2 97.5 91.4 109	0.7 0.43 1.32 2.50 2.90 3.53 16.7 0.91	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.024 < 0.001	91 101 107 103 107 102.0 87 104	76.4 65.2 70.9 /0.0 67.7 64.9 73.4	77.2 67.7 72.0 72.2 71.9 61.8 75.6	1.04 3.8 1.5 3.0 6.1 5.0 3.06	
	·	STD								
ANALYTE		82°F								
Flashpoint	,	02*7								
	BUFFER 7.0	ORIG	DUP							
Flashpoint			<b>DUP</b> 6.08			·	-,11			•
Flashpoint	7.0	ORIG 6.08 ORIG		RPD			. : : .			
Flashpoint  ANALYTE  pH	7.0	ORIG 6.08 ORIG mg/kg	6.08 <b>DUP</b>							
Flashpoint  ANALYTE  pH  ANALYTE	7.0	ORIG 6.08 ORIG mg/kg	6.08 DUP mg/kg							

PAGE 03/05

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	8010486		and the second s		des Control	<del>and the second </del>	Management and the second seco
	Legan Control Carlos Ca	MERCURY ENVIR	ONMENTAL S	ERVICES		<del>nga ga sa kanalaga ga sa sa</del>	
		QA/QC REPO	ORT CONTINI	UED			tem etc. 11. 15.5
a kilia					- 17 (a) - 17 (a) - 18 (a)		
	ANALYTE	ORIG DUP mg/kg mg/kg R	STD PD %REC				· ·
	Reactivity as Hydrogen Cyani	e < 0.25 < 0.25 0.	.00 97	. Sec. 19	e de la comp		
				e Li dipe			
		·					
	Services Services (Services) Services						
H							
						ı	
			•				
	Key to QA Abbreviations						
	MS=Matrix Spike					•	
	MSD=Matrix Spike Duplicate RPD=Relative Percent Devia MB=Method Blank	on .					
	LCS=Laboratory Control Star	dard (erification					
	CCV=Continuing Calibration CCB=Continuing Calibration %Rec=Percent Recovery	Blank					
	ML=Minimum Level of Quant	tation					
	A l						
	Signatura:			•	January	28, 2008	
	Signature: Holland D. Gilmo	e / Laboratory Dire	ctor			, == = = =	
					in the second of		
		Mercury Environ	imental Se	rvices, Inc			· · ·

PAGE 04/05

MES

2814764406

01/30/5008 00:04

EPAHO112001218

- CHAIN OF CUSTODY

1-800-771-4MES

01/30/2008

09:04

2814764406

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 2/14/2006

Dear Charlie Marcowitz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1378

Generator: Enterprise Products Operating, L.P. [Splitter III)

**Address:** P.O. Box 573 (316 S. Main)

Mont Belvieu, TX 77580

#### Waste Information

Name of Waste: Aqueous Waste with Low Organic Content

**TCEQ Waste Code #:** 00731191

Container Type: Truck

**Detailed Description of Process Generating Waste:** 

Water from oily water separator from plant process areas (Splitter 3)

Color: Dark
Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

**Odor:** Slight Hydrocarbon

**pH:** 3-11

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information					
Company :	Enterprise Products Op	perating, L.P	. [Splitter III)			
Address :	P.O. Box 573 (316 S. M	/lain)				
City, State, Zip:	Mont Belvieu TX 77580	)				
Contact :	Charlie Marcowitz			Title :		
Phone No :	(281) 385-4310			Fax :	(281) 385-4532	
24 / HR Phone :					÷	
U.S EPA I.D No :	TXD987981560					
State I.D :	39257			SIC Code		
SECTION 2: Billing	Information					
Company :	Enterprise Products Op	erating, L.P	. [Splitter III)			
Address :	P.O. Box 573 (316 S. N	/lain)	· · · · · · · · · · · · · · · · · · ·			
City, State, Zip:	Mont Belvieu TX 77580	)			·	
Contact :	Charlie Marcowitz			Title :		
Phone No :	(281) 385-4310			Fax:	(281) 385-4532	
SECTION 2: Como	al Dagarintian of the Mag	4	•			
	Agus on Wests with L	·	Contont			
	Aqueous Waste with Lo			<u>·</u>		<u> </u>
•	tion of Process Genera	_				
Water from oily wa	ater separator from plan	t process ar	eas (Splitter 3)		• '	
Physical State :	✓ Liquid	Slu	dge 🔲 Po	wder		
-	Solid	Filte	er Cake Co	mbination		
Color :		Dark	Odor:		Slight	Hydrocarbon
Specific Gravity	(Water=1) :	1	Density:		8.34	lbs / gal
Layers :	<b>✓</b> Single-Phas	— Mu	Iti-Phase			
Layero .	U Omgie-i nas		111-1 11030			
Container Type :	Drum	Tote	✓ Truck _	Other (exp	plain)	
Container Size :			130 bbl			
Number Of Units	: 5000				<del></del>	
Texas State Was		00731191				
				. 1 1 / A		1 Oi- Ott)
Proper U.S. State	Waste Code No :	Non-RCRAVI	Non DOT regulated wa	stewater (A	queous vvaste with	Low Organic Content)
Class :	UN/NA	<b>\:</b>	PC	<b>:</b>		RQ:
Flash Poir	l '		Reactive Sulfides	Read	tive Cyanides	Solids
>150	3-11		N/A m	g/I	N/A mg/l	0-2 %
Oil and Grea	ise TOC		Zinc		Copper	Nickel

#### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE Con	centration	Units
The waste consists of the following materials Ranges	are acceptable	or %
Water from Chiller & Storm Water	85-95	%
Hydraulic Oil	2-10	%
Compressor Oil	2-10	%
Dirt/Sand/Silt	1-3	%
Dirt/Sand/Silt	1-3	

Water from Chiller & Storm Water		
	85-95	%
Hydraulic Oil	2-10	%
Compressor Oil	2-10	%
Dirt/Sand/Silt	1-3	%
ECTION 5: Safety Related Data		
	ent places evalein	
the handling of this waste requires the use of special protective equipme tandard PPE Required	ent, piease expiain.	
andard FFE Required		
ECTION 6: Attached Supporting Decuments		•
ECTION 6: Attached Supporting Documents		
st all documents, notes, data, and/or analysis attached to this form as pa	rt of the waste approval package.	
JIIC .		
ECTION 7. Incompatibilities		
ECTION 7: Incompatibilities		
ease list all incompatibilities (if any): one Known		
one known		
ECTION 8: Generator's Knowledge Documentation		
aboratory analysis of the hazardous waste characteristics, listed below, W Illowing generators knowledge	VAS NOT PERFORMED based upor	n the
CLP Metals : N/A		
CLP Volatilies : N/A		•
CLP Semi-Volatiles : N/A		
eactivity: N/A		
Addition 1		
orrogivity N/A		
•		
nitability : <u>N/A</u>		
nitability : <u>N/A</u> ECTION 9: Generator's Certification		
	knowledge and ability to determin known or suspected hazards have	e that no
nitability:  N/A  ECTION 9: Generator's Certification  ne information contained herein is based on generator knowledge and pove and attached description is complete and accurate to the best of my eliberate or willful omissions of composition properties exist and that all lesclosed. I certify that the materials tested are representative of all materials	knowledge and ability to determin known or suspected hazards have	e that no
nitability:  N/A  ECTION 9: Generator's Certification  ne information contained herein is based on generator knowledge and bove and attached description is complete and accurate to the best of my eliberate or willful omissions of composition properties exist and that all besclosed. I certify that the materials tested are representative of all materials uthorized Signature:	knowledge and ability to determin known or suspected hazards have als described by this document.	e that no
nitability:  N/A  ECTION 9: Generator's Certification  ne information contained herein is based on generator knowledge and bove and attached description is complete and accurate to the best of my eliberate or willful omissions of composition properties exist and that all I sclosed. I certify that the materials tested are representative of all material uthorized Signature:  where the school of the school o	knowledge and ability to determin known or suspected hazards have als described by this document.  Date: 2/13/2006	e that no
Initability:  N/A  ECTION 9: Generator's Certification  The information contained herein is based on generator knowledge and cove and attached description is complete and accurate to the best of my eliberate or willful omissions of composition properties exist and that all besclosed. I certify that the materials tested are representative of all materials that the control of the	knowledge and ability to determin known or suspected hazards have als described by this document.	e that no
Initability:  N/A  ECTION 9: Generator's Certification  The information contained herein is based on   Graph generator knowledge and accurate to the best of my seliberate or willful omissions of composition properties exist and that all I sclosed. I certify that the materials tested are representative of all materials tuthorized Signature:  Signature:  Brad Peck / Env. Scientist	knowledge and ability to determin known or suspected hazards have als described by this document.  Date: 2/13/2006	e that no
nitability:  N/A  ECTION 9: Generator's Certification  ne information contained herein is based on  generator knowledge and cover and attached description is complete and accurate to the best of my eliberate or willful omissions of composition properties exist and that all I sclosed. I certify that the materials tested are representative of all material throughout the composition properties exist and that all I sclosed. I certify that the materials tested are representative of all material throughout throughout the composition properties exist and that all I sclosed. I certify that the materials tested are representative of all material throughout throughout the composition properties exist and that all I sclosed. I certify that the materials tested are representative of all materials tested are representative of all materials throughout throughout the composition properties exist and that all I sclosed. I certify that the materials tested are representative of all materials tested are representati	knowledge and ability to determin known or suspected hazards have als described by this document.  Date: 2/13/2006	e that no
nitability: N/A  ECTION 9: Generator's Certification  The information contained herein is based on   The information contained herein is based on   The information contained herein is based on   The generator knowledge and accurate to the best of my eliberate or willful omissions of composition properties exist and that all lesclosed. I certify that the materials tested are representative of all materials uthorized Signature:  The inted Name / Title: Brad Peck / Env. Scientist  The inted Name / Title: Brad Peck / Env. Scientist  The integral of the in	knowledge and ability to determin known or suspected hazards have als described by this document.  Date: 2/13/2006	e that no
nitability:  N/A  CCTION 9: Generator's Certification  be information contained herein is based on   generator knowledge and over and attached description is complete and accurate to the best of my liberate or willful omissions of composition properties exist and that all besclosed. I certify that the materials tested are representative of all material throughout thorized Signature:  withorized Signature:  Brad Peck / Env. Scientist  ES USE ONLY (DO NOT WRITE IN)THIS SPACE)  ompliance Officer: Prabhakar Thangudu	knowledge and ability to determin known or suspected hazards have als described by this document.  Date: 2/13/2006	e that no

SECTION	ON 10: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge? YES VO
If 'YES	c', complete this section
PLEAS	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oile C	uhaataaanu Suhnart P
	ubcategory: Subpart B Used oils
	Oil-water emulsions or mixtures
_	Lubricants
	Coolants
_	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
	Traditional of Fouring paint madrice
Organ	ics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources

(1)	if the waste contains of and grease at of in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cosenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION1: Gener	rator Informatio	n .	u	-C Cue	سسے و	MAO	ie Pi	LRLOS	5)			
Company:	Enterprise Pr	oducts Opera	_	-								
Address:	316 S. Main	PO Box 573.	(Attn Rac	heal Whea	ton)							
City, State, Zip:	Mont Belvieu	TX 77580										
Contact:	Charlie Marki	STE SIMO	PHEN!	CRAI	4	Title:	12	مىالەت	NO MARCA	2TAL	Sou	NTST
Phone No:	(281) 385-\$5	36- 4 <b>39</b> 6		<u> </u>		_Fax :	(28	31 <u>)</u> 385	4532			
24 / HR Phone:	713.320	2.4591		· ·		_						
U.S EPA I.D No :	TXD9879815	60					•					
State I.D:	39257					_SIC Co	de _					
SECTION 2 Billing	Information			566 C	ourwo	UT A-Bo	SXE.			,		
Company:	Enterprise Pr	oducts Opera	بطبيليونا	(Splitter III)								
Address:	316 S. Main	PO Box <b>573</b> 4	Attn: Rec	heal Whea	ton).							
City, State, Zip :	Mont Belvieu	TX 77580 - e	2573									
Contact:	Charlie Marke	WILL Acces	NTS P	AVARLE		_Title:					•	
Phone No:	(281) 385- <del>43</del> 4	COSP H				Fax:	-(26	<del>4) 385</del> -	4532.			
SECTION 3 Genera	al Description o	of the Waste										
Name of Waste:	Aqueous Was	ste with Low	 Organic C	ontent								
Detailed Descript	tion of the Pro	ocess Gener	ating Was	ste:			_					
Water from <b>olly</b> wa					3)							
Physical State:	Z Liquid		☐ Slud	ge	☐ Po	wder						
	☐ Solid		☐ Filter	Cake	□ 00	mbinatio	n -					
Color:	· ·	· · · · · · · · · · · · · · · · · · ·	Dark		Odor:				Slight	Hydroca	arbon	
Specific Gravity (	Water=1):	• ••	1		Density:				8.34	···		i <b>bs i</b> gal
Does this material o	contain any tota	al phenolic co	mpounds?		aeY	_ No						
Does <b>this</b> material o	contain any par	a substituted	phenolic o	compounds'	? [	☐ Yes	1_	_ No				
s the Waste subjec	t to the benzen	e waste opera	ation NESI	HAP? (40 CF	R Part 61.	Subpart I	FF)		Yes	الا	No	
2812 2813 2	816 2819	2821 2822	2823	2624 283	3 2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	869 2873	2874 2876	2879	2891 289	2 2893	2896	2899	2911	3312	4953	4959	9511
_ayers:	<b>☑</b> Single	e-Phas	☐ Multi	-Phaee								
Container Type:	Drum		ote	∐ Truc	sk □	Other (	explair	1)				
Container Size :	130 bbi	<u> </u>										
Number Of <b>Units</b> :	5000											
Is this a USEPA "H		-		<del></del>	Yes							
If "Yes", then ple	ase complete, si	lgn and date th	e Underlyir	ng Hazardous	s Constitue	nts Form a	attached	hereto			÷	
TYes" is it:	D001 🗆	D002	D003									

JUN-04-2008	11:14 CES En	vironmental Service	· · · · · · · · · · · · · · · · · · ·	13 6/6 16/6
Characteristic for Toxic		. =	0007	
	□ D008 □	D009	0011	
Characteristics for Toxic	Organics: D012 thru D043	(please list all that apply)		
s this an "F" or "K" List	ed waste or mixed with one	7 _ Yes		·
	list ALL applicable codes:			
c this a some onsial are	duct or <b>spill</b> cleanup that we	ould corp. a "H" or "D" weet	e code under 40 CER	Yes , No
2 <b>61.33(e)</b> or (f)?	duct of <b>spin</b> cleanup that we	ould carry a or or P wast	e code under 40 CFR	res . No
If "Yes" than places	e list ALL <b>applicable</b> codes:	M. W. M		
ii ies , tile ii pie ase	FIST ALL applicable codes.			
exes State Waste Cod	e No: 0073119	1		
roper U.S. State Waste	Code No: Non-RCRA	/Non DOT regulated wastew	ater (Aqueous Waste with L	ow Organic Conten
Class:	UN/NA:	PG:		RQ:
Floor Doint		Desether Cultidae	Departus Oversidas	Solids
Flash Point >150	рН 3-11	Reactive Sulfides N/A mg/i	Reactive Cyanides NIA mg/l	0-2
Oil and Grease N/A mg/	TOC I N/A mg/I	Zinc NIA mgll	Copper N/A mg/l	Nickel N/A n
	1181		TV/\g/i	
CTION4: Physical and 0	Chemical Data			
	COMPONENTS TABLE	<u> </u>	Concentration	n Units
The material i	product consists of the fo		Ranges are accep	
	Water fmm Chiller & Storm W	Vater	85-95	%
	Hydraulic Oil		2-10	%
	Compressor CII		2-10 1-3	<b>%</b> %
	Dirt/Sand/Silt	·	12	
ECTION 5: Safety Related				·
the handling of <b>this</b> wa andardPPE Required	aste requires the use of <b>sp</b>	eclal protective equipmen	t, please explain.	
andald FFE Required				
CTION 6 Attached Supp	ortina Documente			
	s, data, <b>and/or</b> analysis att	ached to this form as nart	of the waste annroyal nad	rkane
one	s, data, androi analysis att	aonea to tino form ao part	or the wasce approval par	skage.
CTION 7; incompatibilitie	30			
ease list ell incompatit				•
ne Known				
				*
CTION 8: Generator's Kn	owledge Documentation			
poratory analysis of the	e hazardous waste charac	cteristics, listed below. WA	AS NOT PERFORMED base	ed upon the
LP Metals:	N/A	•		
LP Volatilies : LP Semi-Volatiles :	N/A			

	JUN-04-2008 1	1:15	CES	Environmental	Service			713	676	1676
Corr	osivity:	N/A								
Ignit	ability:	N/A								
SEC1	ION 9: Waste Receipt	Classification U	nder 40 C	FR <u>437</u>						
Is this	s material a wastewa	ter or wastewate	er sludge	? TES	a no					
If 'YE	S', complete this sec	tion								
	ASE CHECK THE AP		OX: IF N	O APPROPRIATE	CATEGORY.	GO TO THE	NEXT PAG	3F		
		•	<b>9</b> 20 11 70							
Mata	Is Subcategory: Su Spent electropiating		ludnes							
	Metal finishing rinse		~							
	Chromate wastes							•		
	Air pollution control	blow down water	er and sl	udges						
d	Spent anodizing so			Ü						
	Incineration wastew									
	Wasle liquid mercu	rv								
	Cyanide-containing	wastes greater	than 136	3 mg/l						
	Waste adds and ba	ses with or with	out meta	als						
	Cleaning, rinsing, a	nd surface prep	aration s	olutions from elect	troplating or ph	ospha				
	Vibratory deburring	wastewater								
[_]	Alkaline and acid so	olutions used to	clean m	etal parts or equip	menl					
Olle :		bpart B								
	Used oils									
느	Oil-water emulsions	Or mixtures								
	Lubricants Coolants									
_	Contaminatedgrou	ndwater clean-ii	ın from n	etroleum sources						
	Used petroleum pro		10 11 O 111 P	on order and a construction						
	Oil spill clean-up	ducis								
	Bilge water									
$\overline{\Box}$	Rinse/wash waters	from petroleum	sources							
	Interceptor wastes	•								
	Off-specification fue	ls	•							
	Underground storag	je remediation <b>v</b>	vastes							
1	Tank clean-out from	petroleum or o	ily sourc	es						
	Non-contact used g	lycols								
	Aqueous and oil mix	ctures from part	s cleanin	g operations						
	Wastewater from oil	bearing paint v	vashes							
Orgal	nics Subcategory Si Landfill leachate	ubpart C								
اسا		dwater eleen w	n from n	an natroloum cour	COC					
	Contaminated groun Solvent-bering wast		h #OIIII	ou-herrolealli sonu	UC3					
	Off-specificationorg									
	Still bottoms	unio product								
	Byproduct waste gly	rcol								
	Wastewater from pa									

Wastewater from adhesive **and/or** epoxies formulation Wastewater from organic chemical product operations

P.04

JUN-04-2008 11:15	CES Environmental Convic		
	CES Environmental Service	713	3 676 1676
Tank clean-out from organic, non-p	etroieum sources		
(1) If the waste contains oil and grease at	or in excess of 100 mg/L, the waste	should be classified in the oils su	ıbcategory
(2) If the weste contains oil and grease le excess of the values listed below, the			ntrationsin
Cadmium 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L			
<ol> <li>If the waste contains oil and grease les or nickel above any of the values listed</li> </ol>			omium, copper,
Metals Subcatego			
☐ Oils Subcatego			
☐ Organics Subcategory			
SECTION 10: Additional Instruction			
you cannot <b>determine</b> the correct subcate Chromium, Copper, Nickel, and Oil and Groncenlrations. This will be prior to accepta	ease, CES will send offsite to a comn	nercial laboratory a sample to de	of Cadmium. etermine these
ECTION 11: Generator's Certification			
he Information <b>contained</b> herein <b>is</b> bas bove and attached description is comp <b>eliberate</b> or <b>wiliful</b> omissions of compo isclosed. I certify that the materials tes	elete and accurate to the best of my osition properties exist and that all	knowledge and ability to dete known or suspected hazards h	ermine that no have been
Authorized Signature :  Printed Name   Title : Brad Peck / Eny.		Date : <u>2/13/2001</u>	<b>.</b>
CES USE ONLY (DO NOT WRITE IN THE	CODACE	Process Facility Infor	mation :
Compliance <b>Officer</b> : <u>Prabhakar Than</u>	Q III. My A	CHECK FLASH if there is an ehlor-detect, flash and see if it loil. The water can be discharge 15 cents hour for truck plus	oil phase check blends with black rged under oils per gallon. \$69
Date: 2/14/2008 Status:			

1378

Approval Number:

GATX (HEARNE) 1383 Proftett 1383

EPAHO112001228



490 Griggs Road Housen, TX 77021... Tel. (213) 676-1460 Fax. @13) 876-1876

### Waste Profile Re-Certification Form

CES Waste Approval #: 1383

Customer:

GATX (Hearne)

Waste Generator:

GATX (Hearne)

Waste Stream Name:

Non-hazardoùs Wastewater

Expiration Date:

**2/15/2008** 

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been mate in the generation process of the aforementioned vaste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when Issaed the aforementioned CES Waste Approval Number: Wheek Appropriate Box)

 $\bigvee$  No changes, please recertify.

Please send new profile as waste stream has changed.

corda Salias

Customer

Signat

10 1 B

Date

☐ Analysis is NOT required for reportification.

The following enalysis is required for recertification. Please sumbit results of the folk wing tests.

WTCLP Metals

TCLP Volatiles

LI TCLP Semi-volatiles

> Reactivity

**Corrosivity** 

**X**Ignitability

## Mercury Environmental Services, Inc.

6913 HWY 225. Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Sample Type:

Attn:

**Dana Carter** 

- CERTIFICATE OF RESULTS -

MES Lab#:

8030317

Client Sample ID:

Waste Water

Extended ID:

GATX Hearne Wastewater / PO #0308-36

Sample Collect Date: 3/10/2008 @ 9:55:00 AM

01404000 0 0.55 00 414

Comp

Sample Receipt Date: 3/11/2008 @ 9:25:00 AM

Test Group / Method

TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDG Date / Time
Antimony	0.032	1	< 0.032	mg/L	3/11/2008 / 11:57 PM
Arsonic	0.014	5	0.024	mg/L	3/11/2008 / 11:57 PM
Barium	0.0005	100	0.0426	mg/L	3/11/2008 / 11:57 PM
Reryllium	0.0005	0.08	< 0.0005	mg/L	3/11/2008 / 11:57 PM
Cadmium	0.002	1	< 0.002	mg/L	3/11/2008 / 11:57 PM
Chromium	0.002	5	0.002	mg/L	3/11/2008 / 11:57 PM
Lead	0.005	5	< 0.005	mg/L	3/11/2008 / 11:57 PM
Nickel	0.003	70	0,142	mg/L	3/11/2008 / 11:57 PM
Selenium	0.024	1	< 0.024	mg/L	3/11/2008 / 11:57 PM
Silver	0.002	5	< 0.002	mg/L	3/11/2008 / 11:57 PM
TCLP Mercury Method: SW-846 7470A	MDL	RL	_ Result	Units	Analyst: TRAHM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	3/13/2008 / 11:53 PM
TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time
Vinyl chloride	0.10	0.2	< 0.10	mg/L	3/15/2008 / 3:32 PM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	3/15/2008 / 3.32 PM
2-Butanone	0.50	200	< 0.50	mg/L	3/15/2008 / 3:32 PM
Chloroform	0.05	6	< 0.05	mg/L	3/15/2008 / 3:32 PM
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	3/15/2008 / 3:32 PM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/l	3/15/2008 / 3:32 PM
Benzene	0.05	0.5	< 0.05	mg/L	3/15/2008 / 3:32 PM
Trichlorocthone	ი ი5	0.5	< 0.05	mg/L	3/15/2008 / 3:32 PM
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	3/15/2008 / 3:32 PM
Chlorobenzene	0.05	100	< 0.05	mg/L	3/15/2008 / 3:32 PM
1,4-Dichlorobenzene	0.05	<b>77</b> 55	< 0.05	mg/L	3/15/2008 /3:32 PM

Report Date: 19-Mar-08

Page 1 of 3

#### - CERTIFICATE OF RESULTS -

MES Lab#:

8030317

Client Sample ID:

Waste Water

Extended ID:

GATX Hearne Wastewater / PO #0308-36

Sample Collect Date: 3/10/2008 @ 9:55:00 AM

Sample Type:

Comp

Sample Receipt Date: 3/11/2008 @ 9:25:00 AM

Callibra (1000) Proposition (1)						
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	3/15/2008 / 3	3:32 PM
TCLP Sem-Volatiles					Analyst; TFR	
Method: SW-846 8270C	MDL	RL	Result	Units	Date / Time	
Pyridine	0.05	5	< 0.05	mg/L	3/11/2008 / 1	0:39 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	3/11/2008 / 1	10:39 PM
o-Cresol	0.05	200	< 0.05	mg/L	3/11/2008 / 1	10:39 PM
m+p-Cresol	0.05	200	< 0.05	mg/L	3/11/2008 / 1	10:39 PN
Hexachloroethane	0.05	3	< 0.05	mg/L	3/11/2008 / 1	0:39 PN
Nitrobenzene	0.05	2	< 0.05	mg/L	3/11/2008 / 1	0:39 PM
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	3/11/2008 / 1	0:39 PN
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	3/11/2008 / 1	0:39 PM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	3/11/2008 / 1	0;39 PM
2,4-Dinitrololuene	0.05	0.13	< 0.05	mg/L	3/11/2008 / 1	0:39 PM
Hexachlorobenzene	0,05	0.13	< 0.05	mg/L		0:39 PM
Pentachlorophenol	0.50	100	< 0.50	mg/L		0:39 PN
Reactivity, Recoverable Hydrog Method: 7.3.3.2	gen Cyanide MDL		Result	Units	Analyst: CL Date / Time	
Hydrogen Cyanide	0.25		< 0.25	mg/kg	3/13/2008 / 1	0:05 AN
Reactivity, Recoverable Hydrog Method: 7,3,4.2	jen Sulfide MDL		Result	Units	Analyst; CL Date / Time	
Hydrogen Sulfide	0.25		0.90	mg/kg	3/13/2008 / 1	0:30 AM
			73			-
Corrosivity. pH	MOI		D	. · I laita	Analyst: JE	
Method: SW-846 9045	MDL		Result	Units	Date / Time	
pН			7.71		3/17/2008 / 2	:00 PM
Ignitability		Transis in the	را هن هند د کید کرد سه د د د د د د د د د د د د د د د د د د		- Analyst: DEB	1000
Method: SW-846 1010	MDL	<u> </u>	Result	Units	Date / Time	
Flashpoint			>150	deg F	3/13/2008 / 1	0:45 AM
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units_	Analyst: HDGII Date / Time	
Arsenic	0.014	5	0.024	mg/L	3/12/2008 / 1	1:57 PM
Barium	0.0005	100	0.0426	mg/L		1:57 PM
Cadmium	0.002	1	< 0.002	mg/L	3/12/2008 / =1	erfort and a second
Chromium	0.002	5	0.002	mg/L	3/12/2008 / 1	data epok filosom
Lead	0 005	5	< 0.005	mg/E	3/12/2008 / 1	
Selenium	0.024	1	< 0.024	mg/L	3/12/2008 / <del>**1</del>	
Silver	<b>=±</b> ± 0.002	5		⇔mg/L	3/12/2008 /1	47.6
and the second of the second o	TACABAN AND THE STATE OF THE ST	T Egyptin	Care and San		The same of the sa	Contract of the contract of th

Report Date: 19-Mar-08

#### - CERTIFICATE OF RESULTS -

MES Lab#:

8030317

Client Sample ID:

Waste Water

Extended ID:

GATX Hearne Wastewater / PO #0308-36

Sample Collect Date: 3/10/2008 @ 9:55:00 AM

Sample Type:

Comp

Sample Receipt Date: 3/11/2008 @ 9:25:00 AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

John Keller, Ph.D., Lab Director

Wednesday, March 19, 2008

Date

Report Date: 19-Mar-08

Page 3 of 5

8030317

# MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Antimony Arsenic Barium Beryllium Cadmium Chromium Lead — Mercury Nickel Selenium Silver	< 0.005 < 0.002 < 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.001 < 0.024 < 0.001	107.5 94 105.0 109.6 109.4 109 106.1 101.0 105 108.1 110	111 94 105 110 110.9 107 109.2 97.5 106 91.4 109	3.32 0.7 0.43 0.73 1.32 2.50 2.90 3.53 1.66 16.7 0.91	< 0.005 < 0.002 < 0.002 < 0.002 < 0.001 < 0.002 < 0.002 < 0.0002 < 0.001 < 0.024 < 0.001	105 91 101 107 107 103 107 102.0 104 87	81.2 76.4 65.2 82.1 70.9 70.0 67.7 69.3 64.9 73.4	83.6 77.2 67.7 84.6 72.0 72.2 71.9 74.9 61.8 75.6	2.9 1.04 3.8 3.1 1.5 3.0 6.1 7.7 5.0 3.06
							1). 2)		

SURROGATE SPIKE RECOVER	Y FOR VOLATILES	% REC
Dibromofluoromethane Toluene-d8 4-Bromofluorobenzene		100.6 99.2 94.5
SURROGATE SPIKE RECOVER	EY FOR SEMIVOLATILES	% REC
2-Fluorophenol		41.8 50.1
Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophenol		42.0 50.3 58.4
p-Terphenyl-d14		

- Mercury Environmental Services, Inc. -

8030317 Page 2 QA/QC REPORT CONTINUED STD ANALYTE Flashpoint 82ºF **BUFFER** ORIG DUP **RPD** ANALYTE 7.0 рΗ 7.0 7.71 7.71 0.00 ORIG DUP **ANALYTE** mg/kg mg/kg RPD Reactivity as Hydrogen Sulfide 905 905 0.00 STD ORIG DUP **ANALYTE** mg/kg mg/kg RPD %REC Reactivity as Hydrogen Cyanide < 0.25 < 0.25 0.00 100

MES

Key to QA Abbreviations

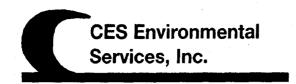
MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature: Stu Tella Director

John Keller/Laboratory Director

March 20, 2008

EPAHO112001236



## **Waste Pre-Acceptance/Approval Letter**

Date 2/15/2006

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1383

Generator: GATX (Hearne)
Address: P.O. Box 969

Hearne, TX 77859

#### **Waste Information**

Name of Waste: Non-hazardous Wastewater

**TCEQ Waste Code #:** 99091191

Container Type: Truck

**Detailed Description of Process Generating Waste:** Water generated from cleaning RCRA empty railcars

Color: Clear to Brown

Odor: None

**pH:** 3-11

Physical State: Liquid

**Incompatibilities:** None Known

Safety Related Data/Special Handling:

Standard PPE Required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information						
Company :	GATX (Hearne)						
Address :	P.O. Box 969						
City, State, Zip:	Hearne TX 778	59					
Contact:	Ricardo Salias			Title	: Env	ironmental Manag	ger
Phone No :	(979) 279-7020			Fax	: (979	9) 279-5664	
24 / HR Phone :	(979) 279-7020						
U.S EPA I.D No:	TXD000835207						
State I.D :	32643			SIC	Code	· · · ·	
SECTION 2: Billing	Information						
Company:	GATX (Hearne)			,			
Address :	P.O. Box 969						
City, State, Zip :	Hearne TX 7785	59					
Contact :	Ricardo Salias			Title	: Env	ironmental Manag	jer
Phone No :	(979) 279-7020			Fax	: (979	9) 279-5664	
SECTION 3: General							
Name of Waste:	Non-hazardous	Wastewater					
Detailed Descript	tion of Process	Generating Wast	e:				
Water generated t	from cleaning RC	RA empty railcars	<b>5</b> .				
Dhyminal State	[Tallianid		da.a	□ Dawden			
Physical State :	✓ Liquid	Si	udge	☐ Powder			
	Solid	_ Fi	Iter Cake	Combina	ition		
Color:		Clear to Bro	own Oc	dor :		No	ne
0						· · · · · · · · · · · · · · · · · · ·	
Specific Gravity (	water=1):	1	De	ensity :		8.34	lbs / gal
Layers :	✓ Single-F	Phas 🔲 M	ulti-Phase				
Container Ture	<b>D</b>	T-4-			4		
Container Type :	Drum	☐ Tote	✓ Truck	Othe	er (explain)		
Container Size :			130 bb	<u> </u>			
Number Of Units	: 5000						
Texas State Wast	te Code No :						
	<del></del>			DODA 61 D	OT 1. (		
Proper U.S. State	waste Code No	):	Non-	RCRA/Non D	O1 regulate	ed rinse water	
Class :		UN/NA:		PG:			RQ:
Flash Poin	t	рН	Reactive Su	ulfides	Reactive (	Cyanides	Solids
>200	<del></del>	3-11	<20	mg/l	<2	0 mg/l	0-2 %
Oil and Grea	se	TOC	Zinc		Сор	ner	Nickel
>1500	mg/l	10000 mg/l	N/A		N/		N/A ma/l

SECTION 4: Physical and Chemical Data Units Concentration COMPONENTS TABLE or % Ranges are acceptable The waste consists of the following materials 98-99 % Water ፠ 0.01-0.05 Amines 0.01-0.05 Alcohols % 0.01-0.05 Rust % 0.5-1 Salts 0.01-0.5 Lube Oils SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE Required **SECTION 6: Attached Supporting Documents** List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None **SECTION 7: Incompatibilities** Please list all incompatibilities (if any): None Known SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge TCLP Metals are below regulatory limits **TCLP Metals: TCLP Volatilies:** TCLP Volatiles are below regulatory limits TCLP Semi-Volatiles are below regulatory limits **TCLP Semi-Volatiles:** No reactive materials are present Reactivity: Corrosivity: pH is neutral Ignitability: No ignitable materials are present **SECTION 9: Generator's Certification** The information contained herein is based on 🗹 generator knowledge and/or 🗌 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document. **Authorized Signature:** 1/15/2006 Printed Name / Title : Ricardo Salias, Environmental Manager CES USE ONLY (DO NOT WRITE IN THIS SPACE) Additional Information 2-15-06 Date: Status: Approved Rejected Approval Number: 1383

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge? YES NO
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
$\checkmark$	Tank clean-out from organic, non-petroleum sources

(1)	if the waste contains oil and grease at of in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	☐ Oils Subcategory
	✓ Organics Subcategory

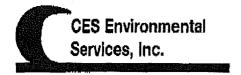
## **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



CES Waste Approval #:

Customer:



<u>1387</u>

Select Environmental

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

Waste Generator:	Select Environ	<u>imental</u>		
Waste Stream Name:	Oily Water			
Expiration Date:	3/21/2008			
waste profiles on an annual	basis. The purpose e aforementioned w	ental Services, Inc. requires recertification of all approved to of this form is to confirm that no changes have been made in a vaste stream and that the waste stream remains classified as non-		
		in the aforementioned waste stream and the process generating sed the aforementioned CES Waste Approval Number: (Check		
No changes, please recei	rtify.	Analysis is NOT required for recertification.		
☐ Please send new profile as waste stream has changed.		The following analysis is required for recertification. Please sumbit results of the following tests.		
RON KONLEN  Customer Name  Kon Kohlen  Signature  SELET ENNIRONM  OPERATIONS  Company / Title		☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability		
02/18/08 Date		OVE		





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 3/21/2006

Dear Fred Blankenship

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1387

**Generator:** Select Environmental **Address:** 223 McCarty Road

Houston, TX 77029

## Waste Information

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

Container Type: Truck

**Detailed Description of Process Generating Waste:** oily water from collection from various facilities

Color: Dark

**Odor:** Hydrocarbon

**pH:** 3-11

Physical State: Liquid

Incompatibilities: None Known

Safety Related Data/Special Handling:

None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	ator Information					
Company:	Select Environmental	<del></del>				
Address :	223 McCarty Road					
	Houston TX 77029					
Contact:	Fred Blankenship		Ti	tle :		
Phone No :	(281) 831-6308			ax:	-	
24 / HR Phone :	(281) 831-6308					
U.S EPA I.D No:	<del></del>					
State I.D:	N/A		SI	C Code NA	-	
-	· · · · · · · · · · · · · · · · · · ·					
SECTION 2: Billing	Information					
Company :	Select Environmental	<del></del>				
Address :	223 McCarty Road					· · · · · · · · · · · · · · · · · · ·
City, State, Zip:	Houston TX 77029					
Contact :	Fred Blankenship		_Tit	tle :		
Phone No:	(281) 831-6308		Fa	ıx :		
<u>-</u>		·		<del></del>		
	al Description of the Waste	· .				
Name of Waste :	Oily Water			<del> </del>		
Detailed Descript	ion of Process Generati	ng Waste:				
oily water from col	lection from various facilit	ies				
Physical State :	<b>✓</b> Liquid	☐ Sludge	☐ Powde	ar .		
riiyəldai Cada .						
	∐ Solid	☐ Filter Cake	Combi	ination		
Color:		Dark	Odor :	·	Hydrocarbon	
Specific Gravity (	Water=1) :	1	Density :	<u>-</u>	8.34	lbs / gal
	· ————	<del></del>			· · · · · · · · · · · · · · · · · · ·	
Layers :	Single-Phas	✓ Multi-Phase	<b>e</b>			
Container Type :	Drum	Tote X	Truck 🔲 Ot	her (explain)		
Container Size :	5000	₹ .				
	t			· ·		
Number Of Units						
Texas State Wast	<u> </u>	Recycle				
Proper U.S. State	Waste Code No :	-	Recyclable hydr	rocarbon and wate	r mixture	<u>,                                     </u>
Class: N/A	UN/NA:	ev M	PG :_	NA	RQ:_/	PA_
Flash Poin	t pH	Reac	tive Sulfides	Reactive Cyani	des Soli	ds
>200	3-11		N/A mg/l	N/A	mg/l 0-	·
Oil and Grea	se TOC		Zinc	Copper	Nicl	(el
>1500	ma/l N/A	ma/l	N/A mg/l	N/A	ma/l N/	

COMPONENTS TABLE  The waste consists of the following materials	Concentration Concentration	Units or %
Water	90-95	%
Oil	5-10	%
	:	
ECTION 5: Safety Related Data		
f the handling of this waste requires the use of special protective equipr	nent, please explain.	
lone		
ECTION 6: Attached Supporting Documents		
ist all documents, notes, data, and/or analysis attached to this form as i	part of the waste approval package	
lone	applicate passage.	
ECTION 7: Incompatibilities		
lease list all incompatibilities (if any):		
one Known		
FOTION O. C. A. A. M. C. L. L. D. C. C. L. C.		
ECTION 8: Generator's Knowledge Documentation	WAS NOT DEDEODMED based upon the	
aboratory analysis of the hazardous waste characteristics, listed below, ollowing generators knowledge	, WAS NOT PERFORMED based upon the	?
CLP Metals : N/A		
CLP Volatilies : N/A		-
CLP Semi-Volatiles : N/A		
leactivity : N/A		
corrosivity : <u>N/A</u>		
gnitability: N/A		
ECTION 9: Generator's Certification		
he information contained herein is based on 🗹 generator knowledge a ne above and attached description is complete and accurate to the best eliberate or willful omissions of composition properties exist and that a isclosed. I certify that the materials tested are representative of all mate	of my knowledge and ability to determine il known or suspected hazards have been	e that
Authorized Signature:	Date: 3-21-06	
Printed Name / Title: ,   Com white	ules	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Additional Information	
Compliance Officer: Robball Thange		
Date: 3-21-06 Status: (Approved Rejected		

1387

Approval Number:

SECT	ECTION 10: Waste Receipt Classification Under 40 CFR 437	
Is this	this material a wastewater or wastewater sludge?	<b>☑</b> NO
If 'YE	'YES', complete this section	
PLEA	LEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATI	E CATEGORY, GO TO THE NEXT PAGE
Matai	latals Subcategory: Subpart A	
	Spent electroplating baths and/or sludges	
	Metal finishing rinse water and sludges	
	Chromate wastes	
	Air pollution control blow down water and sludges	
	Spent anodizing solutions	
	Incineration wastewaters	
	Waste liquid mercury	
	Cyanide-containing wastes greater than 136 mg/l	
	Waste acids and bases with or without metals	
	Cleaning, rinsing, and surface preparation solutions from elec-	ctroplating or phospha
	Vibratory deburring wastewater	
	Alkaline and acid solutions used to clean metal parts or equip	ement
Oils S	ils Subcategory: Subpart B	
	Used oils	
	Oil-water emulsions or mixtures	
	Lubricants	
	Coolants	
	Contaminated groundwater clean-up from petroleum sources	
	Used petroleum products	
	Bilge water	
	Rinse/wash waters from petroleum sources	
	Interceptor wastes	
	Off-specification fuels	
	Underground storage remediation wastes	
	Tank clean-out from petroleum or oily sources	
	Non-contact used glycols	
	Aqueous and oil mixtures from parts cleaning operations	
	Wastewater from oil bearing paint washes	
Orgar	rganics Subcategory Subpart C	
	Landfill leachate	
	Contaminated groundwater clean-up from non-petroleum sou	rces
	Solvent-bering wastes	
	Off-specification organic product	
	Still bottoms	
	Byproduct waste glycol	
	Wastewater from paint washes	
	Wastewater from adhesive and/or epoxies formulation	
	Wastewater from organic chemical product operations	

Tank clean-out from organic, non-petroleum sources

(1)	if the waste contains on and grease at or in excess or 100 mg/L, the waste should be classified in the ons subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	☐ Oils Subcategory
	☐ Organics Subcategory

### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Gowan Mechanical Service 385 Profile# 1385

W.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 2/16/2006

Dear Darryl Tice

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1385

Generator: Gowan Mechanical Services

Address: 5550 Airline

Houston, TX 77076

# Waste Information

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Equipment flluid changes

Color: Brown

Odor: Oil like

pH: Neutral

Physical State: Liquid Incompatibilities: Oxidizers

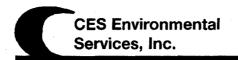
Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

none: (/13) 0/0-1400 Fax:

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator information						
Company :	Gowan Mechan	ical Services					
Address :	5550 Airline						
City, State, Zip:	Houston TX 770	76					· · · · · · · · · · · · · · · · · · ·
Contact :	Darryl Tice			Title	ə:		
Phone No:	(713) 696-5483			Fax	:	-	
24 / HR Phone :							
U.S EPA I.D No :							
State I.D :				SIC	Code		•
SECTION 2: Billing	Information						
Company:	Gowan Mechani	ical Services					
Address :	5550 Airline						
City, State, Zip:	Houston TX 770	76		_			
Contact:	Darryl Tice			Title	•:		
Phone No :	(713) 696-5483			Fax	:		
SECTION 3: General	al Description of t	he Waste					
Name of Waste :	Oily Water						
Detailed Descript	tion of Process	Generating Was	te:				_
Equipment flluid c			·				
Physical State :	<b>∠</b> Liquid	S	ludge	☐ Powder			
	Solid	☐ Fi	iter Cake	Combina	ation		
Color:		Brown	0	dor :		Oil like	3
Specific Gravity (	(Water=1) :	.85-1	Do	ensity :	· ·	8	lbs / gal
Layers :	☐ Single-F	Phas 📝 M	ulti-Phase		. •		
Container Type :	<b>✓</b> Drum	Tote	Truck	C 🗍 Oth	er (explain)	<del></del>	· · · · · · · · · · · · · · · · · · ·
Container Size :	55	·		·			
Number Of Units	: 9						
Texas State Was	te Code No :	Recycle	e				
Proper U.S. State	Waste Code No	):	No	n-RCRA/Non-	DOT Regulated	Material	
Class: na	· ·	UN/NA: na		PG :	na		RQ: na
Flash Poin	t	рН	Reactive S	ulfides	Reactive Cyan	ides	Solids
>200	<u>.</u>	Neutral	0	mg/l	0	mg/l	<5 %
Oil and Grea		TOC (	Zino		Copper		Nickel
>1500	mg/l	>1500 mg/l	0	mg/l	. 0	mg/l	0 mg/l

## **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable_	or %
Oil	30-90	%
Water	10-70	%
Dirt/Sludge	0-5	%

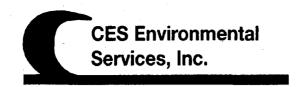
Oil Water Dirt/Sludge  SECTION 5: Safety Related Data  If the handling of this waste requires the use of special protective equipment, pleas evel D  SECTION 6: Attached Supporting Documents List all documents, notes, data, and/or analysis attached to this form as part of the Chlor-D-Tect  SECTION 7: Incompatibilities Please list all incompatibilities (if any): Didizers  SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT ollowing generators knowledge  TCLP Metals:  X TCLP Volatilies:  X Reactivity:  X Corrosivity:   approval package.	% % %	
ECTION 5: Safety Related Data  the handling of this waste requires the use of special protective equipment, pleasevel D  ECTION 6: Attached Supporting Documents ist all documents, notes, data, and/or analysis attached to this form as part of the hlor-D-Tect  ECTION 7: Incompatibilities lease list all incompatibilities (if any): xidizers  ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT ollowing generators knowledge  CLP Metals:  X  CLP Volatilies:  X  CLP Semi-Volatiles:  X  Ectronicy is a control of the con	0-5 se explain. waste approval package.	%
the handling of this waste requires the use of special protective equipment, please and D  ECTION 6: Attached Supporting Documents  st all documents, notes, data, and/or analysis attached to this form as part of the more Department of the Department of the Department of the Department of the Department of the Department of the Department of the Department of the Department of the Department of the Department of the Department of the Department of the Depa	e explain. waste approval package.	
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the handling of this waste requires the use of special protective equipment, pleas vel D  CCTION 6: Attached Supporting Documents  st all documents, notes, data, and/or analysis attached to this form as part of the alor-D-Tect  CCTION 7: Incompatibilities  ease list all incompatibilities (if any):  didizers  CCTION 8: Generator's Knowledge Documentation  boratory analysis of the hazardous waste characteristics, listed below, WAS NOT llowing generators knowledge  CLP Metals:  ELP Volatilies:  ELP Semi-Volatiles:  ELP Semi-Volatiles:  ELP Semi-Volatiles:  Enerosivity:  En	waste approval package.	the
the handling of this waste requires the use of special protective equipment, please level D  CCTION 6: Attached Supporting Documents  st all documents, notes, data, and/or analysis attached to this form as part of the follor-D-Tect  CCTION 7: Incompatibilities  ease list all incompatibilities (if any):  didizers  CCTION 8: Generator's Knowledge Documentation  aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT allowing generators knowledge  CLP Metals:  ECLP Volatilies:  X  CLP Semi-Volatiles:  X  ECLP Semi-Volatiles:  X  Exercivity:  X  Exercivity:  X  Exercivity:  X	waste approval package.	:he
ECTION 6: Attached Supporting Documents  st all documents, notes, data, and/or analysis attached to this form as part of the nlor-D-Tect  ECTION 7: Incompatibilities  ease list all incompatibilities (if any):  didizers  ECTION 8: Generator's Knowledge Documentation  boratory analysis of the hazardous waste characteristics, listed below, WAS NOT llowing generators knowledge  ELP Metals:  ELP Volatilies:  ELP Semi-Volatiles:  ELP Semi-Volatiles:  ELP Semi-Volatiles:  Exercivity:  Exe	waste approval package.	:he
ist all documents, notes, data, and/or analysis attached to this form as part of the phlor-D-Tect  ECTION 7: Incompatibilities  lease list all incompatibilities (if any): xidizers  ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT ollowing generators knowledge  CLP Metals:  X  CLP Volatilies:  X  CLP Semi-Volatiles:  X  eactivity:  X  corrosivity:  X		:he
st all documents, notes, data, and/or analysis attached to this form as part of the phor-D-Tect  ECTION 7: Incompatibilities lease list all incompatibilities (if any): exidizers  ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT llowing generators knowledge CLP Metals:  ECLP Volatilies:  ECLP Semi-Volatiles:  Exception of the part of t		the
ECTION 7: Incompatibilities  lease list all incompatibilities (if any): xidizers  ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT bllowing generators knowledge  CLP Metals:  X  CLP Volatilies:  X  CLP Semi-Volatiles:  X  eactivity:  X  corrosivity:  X		the
lease list all incompatibilities (if any):    ECTION 8: Generator's Knowledge Documentation	PERFORMED based upon t	:he
ECTION 8: Generator's Knowledge Documentation aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT ollowing generators knowledge  CLP Metals:	PERFORMED based upon t	:he
aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT collowing generators knowledge  CLP Metals:  X  CLP Volatilies:  X  CLP Semi-Volatiles:  X  eactivity:  X  orrosivity:  X	PERFORMED based upon t	the
aboratory analysis of the hazardous waste characteristics, listed below, WAS NOT collowing generators knowledge  CLP Metals:  X  CLP Volatilies:  X  CLP Semi-Volatiles:  X  eactivity:  X  orrosivity:  X	PERFORMED based upon t	the
CLP Metals:   CLP Volatilies:   CLP Semi-Volatiles:   Eactivity:   Exporrosivity:   Exporro	PERFORMED based upon t	the
CLP Metals: $\underline{x}$ CLP Volatilies: $\underline{x}$ CLP Semi-Volatiles: $\underline{x}$ eactivity: $\underline{x}$ orrosivity: $\underline{x}$		
CLP Volatilies : $\underline{x}$ CLP Semi-Volatiles : $\underline{x}$ eactivity : $\underline{x}$ orrosivity : $\underline{x}$		
CLP Semi-Volatiles : $\underline{x}$ eactivity : $\underline{x}$ orrosivity : $\underline{x}$		
percentivity: $\underline{x}$		
prrosivity: <u>x</u>		
nitability: <u>x</u>		
ECTION 9: Generator's Certification		
he information contained herein is based on 🗹 generator knowledge and/or 🗹 bove and attached description is complete and accurate to the best of my knowled eliberate or willful omissions of composition properties exist and that all known of sclosed. I certify that the materials tested are representative of all materials described.	lge and ability to determine r suspected hazards have be	that no
Authorized Signature : Dat	te: 2/14/2006	
Printed Name / Title: Darryl Tice / Director, Loss Control & Safety Services		
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Additional Information	
Compliance Officer: Prabhakar Thangudu Landy		
Date: 2/16/2006 Status: Approved Rejected		
Approval Number: 1385		

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge? YES V NO
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	subcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	ics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcatego
	☐ Oils Subcatego
	☐ Organics Subcategory

## **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# Waste Pre-Acceptance/Approval Letter

Date 6/9/2008

Dear Darryl Tice

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 138:

Expiration Date 2/16/2007

Generator: Gowan Mechanical Services

Address: 5550 Airline

Houston, TX 77076

# Waste Information

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Equipment flluid changes

Color: Brown

Odor: Oil like

pH: Neutral

Physical State: Liquid Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 309 **ISWR No: 30900** 

SECTION 1: Gener	ator Information	on											
Company :	Gowan Mec	hanical Se	rvices					_					
Address :	5550 Airline												
City, State, Zip:	Houston TX	77076											
Contact :	Darryl Tice						_Title:						
Phone No :	(713) 696-54	483					Fax:						
24 / HR Phone :													•
U.S EPA I.D No :							_						
State I.D:							_SIC C	ode					
SECTION 2: Billing	Information												
Company :	Gowan Mec	hanical Se	rvices										
Address :	5550 Airline		* * * * * * * * * * * * * * * * * * * *										
City, State, Zip :	Houston TX	77076											
Contact :	Darryl Tice						Title :						
Phone No :	(713) 696-54	483					Fax:						
SECTION 3: Gener	al Description	of the Was	te										
Name of Waste :	· · · · · · · · · · · · · · · · · · ·		<del></del>										
Detailed Descrip	tion of the P	rocess Ge	nerating W	aste:							,		
Equipment flluid c	hanges												
Physical State :	<b>☑</b> Liqui	id	∭ Sh	ıdge		Po	wder						
	∭ Solid	ĺ	Filt	ter Cake		Co	mbinatio	on .					
Color:			Brown		Od	or:		_			Oil like		- · · · · · · · · · · · · · · · · · · ·
Specific Gravity	(Water=1) :		.85-1		De	nsity :				8	·		lbs / gal
Does this material	contain any to	tal phenoli	c compound	s?	☐ Ye	s	☐ No	)					
Does this material	contain any pa	ara substitu	ited phenolic	compo	unds?		Yes	[	<b>No</b>				
ls the Waste subject	ct to the benze	ene waste o	peration NE	SHAP? (	40 CFR F	Part 61,	Subpart	FF)		Yes		No	
2812 2813 2	2816 2819	2821 28	322 2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	2869 2873	2874 28	376 2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers :	Sing	le-Phas	<b>✓</b> Mu	ilti-Pha	se								
Container Type :	Drun	n	Tote		Truck		Other	(explai	n)				
Container Size :	55												
Number Of Units	: 9												
Is this a USEPA "I If "Yes", then plo		-				<b>Yes</b> onstituer	☐ N nts Form		d hereto				
If "Voe" is it:	D001	DOOS	□ D003										

Characteristic for Toxic Me	etals: 🗌 D004	_ D005	5 🔲 D006		D <b>007</b>	•		
	□ D008	☐ D009	D010		0011			
Characteristics for Toxic O	rganics: D012 thru l	0043 (plea	ase list all tha	t apply)				
Is this an "F" or "K" Listed	waste or mixed with	n one?	Yes	☐ No	* · •			
If "Yes", then please lis	st ALL applicable cod	es:	·					
Is this a commercial produ 261.33(e) or (f)?	ct or spill cleanup th	at would	carry a "U" or	"P" was	te code under 40 (	CFR 🗌 Y	res 🗌 N	lo
If "Yes", then please lis	st ALL applicable coc	les:						
Texas State Waste Code	No: Re	cycle	·					
Proper U.S. State Waste C	ode No :		Non-R	CRA/Noi	n-DOT Regulated	Material		
Class: na	UN/NA :	na	_	PG :	na		RQ :	na
Flash Point	рН	1	Reactive Sulf	ides	Reactive Cyan	ides	Solids	
>200	Neutral	İ	0	mg/l	0	mg/l	<5	%
Oil and Grease	тос		Zinc		Copper		Nickel	
>1500 mg/l	>1500	mg/l	0	mg/l	0	mg/l	0	mg/l
SECTION 4: Physical and Ch	emical Data	ABLE		180	Col	ncentration		Inits
The material / p	roduct consists of	the follow	ving material	S	Ranges	are accept	able	or %
	Oil					30-90		%
ľ	Water Dirt/Sludge					10-70 0-5		%
	DilbGludge					0-5		70
			•					
	<del> </del>							
SECTION 5: Safety Related D								
If the handling of this was Level D	te requires the use	of specia	al protective e	equipme	nt, piease explaii	n.		
Level D								
050510110 444-44-4-0	4 0			**				
SECTION 6: Attached Suppor		 .!	4 . 4				l	
List all documents, notes, Chlor-D-Tect	data, and/or analys	sis attach	ea to this for	m as pa	nt or the waste ap	provai pac	kage.	
Offici B 7000								
SECTION 7: Incompatibilities								
Please list all incompatibil		_						
Oxidizers	inces (ii arry).				ŧ			
							•	
SECTION 8: Generator's Know	wledge Documentatio	n						
Laboratory analysis of the following generators know	hazardous waste o	_	istics, listed b	oelow, W	AS NOT PERFO	RMED base	d upon the	
TCLP Metals :	_							
TCLP Wetals:	X							
	X							
TCLP Semi-Volatiles :	X							
Reactivity:	X		2					

Ignitability: $\underline{x}$	
SECTION 9: Waste Receipt Classification Under 40 CFR 437	
Is this material a wastewater or wastewater sludge ?	
If 'YES', complete this section	
PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAG	E
Matals Subcategory: Subpart A	
☐ Spent electroplating baths and/or sludges	
☐ Metal finishing rinse water and sludges	
☐ Chromate wastes	
Air pollution control blow down water and sludges	
☐ Spent anodizing solutions	
☐ Incineration wastewaters	
☐ Waste liquid mercury	
☐ Cyanide-containing wastes greater than 136 mg/l	
☐ Waste acids and bases with or without metals	
<ul> <li>Cleaning, rinsing, and surface preparation solutions from electroplating or phospha</li> </ul>	
☐ Vibratory deburring wastewater	
Alkaline and acid solutions used to clean metal parts or equipment	
Oils Subcategory: Subpart B	
☐ Used oils	
Oil-water emulsions or mixtures	
☐ Lubricants	
☐ Coolants	
Contaminated groundwater clean-up from petroleum sources	
☐ Used petroleum products	
Oil spill clean-up	
Bilge water	
Rinse/wash waters from petroleum sources	
☐ Interceptor wastes	
Off-specification fuels	
Underground storage remediation wastes	
Tank clean-out from petroleum or oily sources	
Non-contact used glycols	
Aqueous and oil mixtures from parts cleaning operations	
☐ Wastewater from oil bearing paint washes	
Organics Subcategory Subpart C	
Landfill leachate	
Contaminated groundwater clean-up from non-petroleum sources	
Solvent-bering wastes	
Off-specification organic product	
Still bottoms	
Byproduct waste glycol	
Wastewater from paint washes	
Wastewater from adhesive and/or epoxies formulation	
Wastewater from organic chemical product operations	

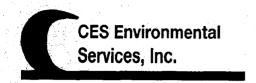
Corrosivity:

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste show	uld be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pol excess of the values listed below, the waste should be classified in the metals s	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have cor or nickel above any of the values listed above, the waste should be classified in	
☐ Metals Subcatego	
☐ Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
If you cannot determine the correct subcategory in Section 9 and you did not furnisi Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commerconcentrations. This will be prior to acceptance. The generator will be responsible for the concentrations of the concentrations.	cial laboratory a sample to determine these
SECTION 11: Generator's Certification	
The information contained herein is based on  generator knowledge and/o above and attached description is complete and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and/o accurate to the best of my knowledge and accurate to the bes	nowledge and ability to determine that no own or suspected hazards have been
Authorized Signature :	Date: 2/14/2006
Printed Name / Title : Darryl Tice / Director, Loss Control & Safety Services	_
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Prabhakar Thangudu Loubur Thang	Process Facility Information :
John [	No Longer Generated
Compliance Officer: Prabhakar Thangudu	
Date: 2/16/2006 Status: Approved Rejected	
Approval Number: 1385	

Dyna Daill 1396 Profile # 1396







4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# Waste Profile Re-Certification Form

CES Waste Approval #:	<u>1396</u>				
Customer:	Dyna Drill				
Waste Generator:	Dyna Drill				
Waste Stream Name:	Non-Hazard	lous Waste	Steel Shot		
Expiration Date:	2/22/2008		•		
As per our waste analysis profiles on an annual basis. generation process of the af hazardous as per 40 CFR 26 Generator hereby certifies the	The purpose of orementioned w 51.3.	f this form is to vaste stream an	o confirm that no ad that the waste	changes have b stream remains	een made in the classified as non-
this waste stream remain the Appropriate Box)  No changes, please recen	e same as when	issued the afor		S Waste Approv	al Number: (Check
☐ Please send new profile a has changed.	as waste stream		e following anal ase sumbit resul		for recertification. ng tests.
Customer Name	<u>J</u>		<ul><li>☐ TCLP Meta</li><li>☐ TCLP Vola</li><li>☐ TCLP Sem</li><li>☐ Reactivity</li></ul>	tiles	
Signature  H G F (1)  Company / Title	Tech.		☐ Corrosivity☐ Ignitability		
<u>2-28-08</u> Date					



# ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St. La Porte, TX 77571 281.471.0951 FAX:281.471.5821

**CERTIFICATE OF ANALYSIS NO:** 

60065.05

1of 1

Customer: CES Environmental

Sample ID: Shot Dust

Environ ID: 60065.05

Project ID: Dyna Drill

Matrix: Solid

Sampled: 01-18-06 Received: 01-24-06

Project Loc: Houston, TX Charge/P.O.:

Type: Grab

Reported: 02-02-06

RECEIVED BASIS													
ANALYTE /	R	ESULT	UNITS	REG.	MQL	TEST	ANALYST	DATE	TIME				
PARAMETER				LIMIT	<u> </u>	METHOD							
BTEX			l										
Benzene	<	0.001	mg/kg	0.7	0.001	SW846.8021B	DMB	02-01-06	14:16				
Toluene		0.017	mg/kg	1,000	0.001	SW846.8021B	DMB	02-01-06	14:16				
Ethylbenzene	<	0.001	mg/kg	400	0.001	SW846.8021B	DMB -	02-01-06	14:16				
Xylenes	<	0.003	mg/kg	7,000	0.003	SW846.8021B	DMB	02-01-06	14:16				
Total BTEX		0.017	mg/kg			SW846.8021B	DMB	02-01-06	14:16				
TOT. PET. HYDROCARBO!	V								[				
GRO (Gasoline Range)	<	500	mg/kg		500	TCEQ 1005.03	DMB	01-29-06	21:24				
DRO (Diesel Range)		7,553	mg/kg		500	TCEQ 1005.03	DMB	01-29-06	21:24				
ORO (Oil Range)		951	mg/kg ´		500	TCEQ 1005.03	DMB	01-29-06	21:24				
TOTAL TPH		8,504	mg/kg		500			01-29-06	21:24				
RCI													
Reactive Cyanide	<	50	mg/kg	250	20	SW846.7.3.3	JK	02-01-06	8:00				
Reactive Sulfide	<	50	mg/kg	500	20	SW846.7.3.4	JK	02-01-06	9:20				
Corrosivity (Ph)		7.42	su	=>2; =<12.5		SW846.9045C	MN	01-25-06	13:15				
Ignitability	>	160	°F	> 140		SW846.1010	JK	01-31-06	9:30				
METALS - TCLP						SW846.1311	MN	01-24-06					
Antimony	<	0.08	mg/l	1.0	0.08	SW846.6010B	JK	01-26-06	19:44				
Arsenic	<	0.02	mg/i	5.00	0.02	SW846.6010B	JK	01-26-06	19:44				
Barium		6.44	mg/l	100	0.02	SW846.6010B	JK	01-26-06	19:44				
Beryllium	<	0.05	mg/l	0.08	0.05	SW846.6010B	JK	01-26-06	19:44				
Cadmium	<	0.02	mg/l	1.00	0.02	SW846.6010B	JK	01-26-06	19:44				
Chromium	<	0.02	mg/l	~ 5.00	0.02	SW846.6010B	JK	01-26-06	19:44				
Lead	<	0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44				
Nickel		0.54	mg/l	70.0	0.05	SW846.6010B	JK	01-26-06	19:44				
Selenium	<	0.05	mg/i	1.00	0.05	SW846.6010B	JK	01-26-06	19:44				
Silver	<	0.05	mg/l	5.00	0.05	SW846.6010B	JK	01-26-06	19:44				
Mercury	<	0.002	mg/i	0.20	0.002	SW846.7470A	MN	01-26-06	08:30				

Definitions:

TCLP - Toxcisity Charasteric Leaching Procedure su - Standard Units

REG - Regulatory Limit (User Should Confirm Lim VOC - Volatile Organic Compounds

MQL - Method Quanitation Limit

SVOC - Semivolatile Organic Compounds

PPM - Parts Per Million

TPH - Total petroleum Hydrocarbons

mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller, Ph.D Laboratory Director

John Keller

# ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS		METHOD:	EPA SW8	46/6010		MATRIX:	LIQUID
ANALYST:	JK	DATE:	01.26.06	UNITS:	PPM (mg/l)	)	NO.SAMPLES:	14
-								-
CAMPLEO.	L cocco od	L cooco co		L 6000E 00				T 00000 04
SAMPLES:	60062.01	60062.02	60065.01	<del>, </del>	60065.03	60065.04	60065.05	60066.01
	60062.01	60062.02		60065.02	60065.03		<del></del>	60066.01

<del></del>		
MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS	BATCH ID:	60062.01
	D/ (1 O11 1D.	00002.01

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METHOD	QC LIN	<b>IITS</b>
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF. %	CALIB.	BLANK	RECOV.	DIFF.
Arsenic	0.00	5	4.89	98	103	5	96	0	75 - 125	20
Barium	0.00	5	4.95	99	103	4	98	0	75 - 125	20
Cadmium	0.00	5	4.92	98	102	3	94	0	75 - 125	20
Chromium	0.00	5	5.11	102	105	3	98	0	75 - 125	20
Lead	0.00	5	4.99	100	104	4	98	0	75 - 125	20
Selenium	0.00	. 5	4.95	99	102	3	96	0	75 - 125	20
Silver	0.00	5	4.97	99	100	0	106	0	75 - 125	20

JOHN KELLER, Ph.D Laboratory Director

r T	P:Plastic G:Glass V:VOA Glass O:	Other	<u> </u>						<b>1</b> :lc	e(<4°C	) <b>2</b> :H	CL <b>3:</b> H	2804	³ <b>P</b> i HNO:	eserv 3 <b>5</b> :Na	rative OH 6:N	<b>Key</b> NaOH+Zn Acet	ate <b>7</b> :Na2S2	03 <b>8:</b> None
	S:Soil W:Water WW:Waste Water	SL:Sludge SO:Solid S	SE:Sed	iment	<b>L</b> : Lea	Machate	atrix Wi:	Key Wipe	OR:0	Organic	OL:	oil DS:	Drum S	olid D	<b>L</b> :Drur	n Liquid	O:Other		
Relinquished By:	Cor	npany:			Date	/Time				Recei	ved By	/: 					Company:		
Relinquished By:		npany:			Date	Time	R+	ĎВ		Recei	ved By	/:		(	2		Company:		
Relinquished By:	Cor	CES			Date	Time:	705	- 2	Pm.	Recei	ved By	ملأ	26	~~	بمر	يو_	Company:		
	10)																		
	9)	÷																	
	8)																	<u>.</u> <del></del>	
	7)																		
	6)																	······································	
1.05	5) Shot Dust	1/18/06 10:45AM	50		¥	メ	Х					X							· · · · · · · · · · · · · · · · · · ·
.04	Sog ov Water	1/19/06 10:30A.m	Lj.		X	X	X				Ì	X							
. 03	(anidore Dust	10:15 A.M		l .	X	x	X					X							
.02	Polish Dust	1/18/04 10/10A.M	50		χ	X	χ					X					<u> </u>		
60065.01	1) Coolant 9 0:1	1/18/0C	Lo								)	X							
EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	¹ MATRIX	(၁)	втех	TPH (	RC	PAH	VOL	SEMI	RCR/	780						···	
Sampler ( <del>Sign)</del>	- Roman	,	XIX	(C)OMP / (G)RA	BTEX (8021)	(TX1005)			VOLATILES	SEMI-VOLS	RCRA 8 METALS	RCRA			ł				

Involce To:

Company:

Address:

City:

Fax:

PO#:

TOTAL EPA TCLP

Phone:

Bowman

State:

-676-1676

6

5

3202

713-754-6150

<sup>2</sup> Cntr. Type

<sup>3</sup> Preservative

Number

Volume

Zip:

77021

Dan Bowman

M A State

Quote#:

TAT (WORKING DAYS) CIRCLE ONE

LAB LOT#

(Yes)

Zip:

Shipment Sealed?

Received on Ice?

(es) No

Cooler Temp. (°C)

Hold Time OK?

pH Check OK? Yes No

Res

No

COC Present?

(Yes)

(Yes)

Yes

Remarks & Additional Analyses

Samples Sealed?

Samples Intact?

Preservative Shown? Yes No NA

Res. Cl2 Check OK?

No

(Yes)

COC & Labels Agree?

No

No

(NA)

5

CHAIN OF CUSTODY Results To:

Fax:

Sampler Remarks:

e-Mail:

Page \_\_\_\_ of \_\_\_

**ENVIRON EXPRESS LABORATORIES, INC.** 

(281) 471-0951 / (800) 880-0156

Houston

e-mail: environexp@aol.com

401 North 11th. St. / La Porte, Texas 77571-3115

Fax: (281) 471-5821 / After Hours: (281) 844-2308

Express Laboratories

Project Name:

Project No:

Project Location:



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 2/22/2006

Dear Eddie Garcia

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1396

Generator: Dyna Drill

Address: 4660 World Houston Pkwy

Houston, TX 77032

# Waste Information

Name of Waste: Non-Hazardous Waste Steel Shot

**TCEQ Waste Code #:** 00043891

Container Type: Drum

**Detailed Description of Process Generating Waste:** 

Spent (used) carbon steel shot from blasting the inside of new (unpainted) carbon steel pi

Color: Varies

Odor: None

pH: na

Physical State: Solid Incompatibilities: None

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera			×							
Company:	Dyna-Drill Techno									
Address:	4225 World Houst									
City, State, Zip:	Houston, TX 7703	2								
Contact:	Eddie Garcia		Title:	HSE Manager						
Phone No:	281-227-1250		Fax No:	281-227-1255						
24/hr Phone:	832-452-9570		-							
U.S. EPA I.D. No:	TXR000033084									
State I.D.	86208		SIC Code:							
SECTION 2: Billing Company: Address:	Information – S	Same as Above								
City, State, Zip:										
Contact:		Title:								
Phone No:		Fax No:			·					
SECTION 3: General Name of Waste: Non- Detailed Description of carbon steel pipe.	-Hazardous Waste S		bon steel shot fr	om blasting the	inside of new (unpainted)					
carbon steer pipe.										
Physical State:	☐ Liquid Solid	☐ Sludge ☐ ☐ Filter Cake ☐	Powder Combination	1						
Color: Varies	, ·	Odor: None								
Specific Gravity (wat	er=1): <u>.9-1.2</u>	Density: 10 lbs/gal								
Layers:	☐ Single-phase	Multi-phase								
Container Type:	□ Drum	☐ Tote ☐	Truck	Oti	ner (explain)					
Container Size:	<u>55 Gal</u>									
Frequency:	☐ Weekly	☐ Monthly ☐	Quarterly	☐ Yea	selv.					
• •	•	· - ·	Quarterry		11 1y					
Number of Units (con	•	Other:								
Texas State Waste Co	ode No: 00	043891								
Proper U.S. DOT Shi	pping Name:	Non-RCRA, Non-DO	Γ Regulated Wa	ste Steel Shot						
Class: Na	UN/N	A: Na	PG: Na		RQ: Na					
			<del></del>	<del></del>						
Fig. b. D. t. d	. **	D /* - C 10* 1	<del>                                      </del>	.,	0.11					
Flash Point >200	pH <u>Na</u>	Reactive Sulfides  Omg/l	Reactive Cy <u>0</u> mg/l	anides	Solids 100%					
	<u>110</u>	<u>∨</u> g/1	<u>  Unig/1</u>		100 /0					

#### **SECTION 4: Physical and Chemical Data**

The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %	
The wase consists of the following materials	100	%	
· · · · · · · · · · · · · · · · · · ·			
		-	
	COMPONENTS TABLE The waste consists of the following materials	The waste consists of the following materials  Ranges are acceptable	

### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain.  $\underline{Standard\ PPE}$ 

### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any): None

### SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	
TCLP Volatiles:	×
TCLP Semi-Volatiles:	X
Reactivity:	_
Corrosivity:	
Ignitability:	

Authorized Signature:

## **SECTION 9: Generator's Certification**

Printed Name/Title: Eddie Garcia/HSE Manager

The information contained herein is based on  $\square$  generator knowledge and/or  $\square$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Labrahu Chagus	Additional Information:
Date: 2-21-06 Approved Rejected	
Approval Number: 1396	

Date: 02/16/06

SI	CCTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES  NO
If	'Yes', complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic pon-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.		
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.			
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L l: 37.5 mg/L		
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.		
		Metals Subcategory		
		Oils Subcategory		
		Organics Subcategory		

# **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



### ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St. La Porte, TX 77571 281,471.0951 FAX:281.471.5821

**CERTIFICATE OF ANALYSIS NO:** 

60065.05

1of 1

**Customer: CES Environmental** 

Sample ID: Shot Dust

Environ ID: 60065.05

Project ID: Dyna Drill

Matrix: Solid

Sampled: 01-18-06

Project Loc: Houston, TX Charge/P.O.:

Received: 01-24-06

Type: Grab

Reported: 02-02-06

ANALYTE/	RESULT	UNITS	REG.	MQL	TEST	ANALYST	DATE	TIME
PARAMETER		<u> </u>	LIMIT		METHOD	<u> </u>		<u> </u>
BTEX	T		1					
Benzene	< 0.001	mg/kg	0.7	0.001	SW846.8021B	DMB	02-01-06	14:16
Toluene	0.017	mg/kg	1,000	0.001	SW846.8021B	DMB	02-01-06	14:16
Ethylbenzene	< 0.001	mg/kg	400	0.001	SW846.8021B	DMB	02-01-06	14:16
Xylenes	< 0.003	mg/kg	7,000	0.003	SW846.8021B	DMB	02-01-06	14:16
Total BTEX	0.017	mg/kg	ļ		SW846.8021B	DMB	02-01-06	14:16
TOT. PET. HYDROCARBO	N							
GRO (Gasoline Range)	< 500	mg/kg	**	500	TCEQ 1005.03	DMB	01-29-06	21:24
DRO (Diesel Range)	7,553	mg/kg	-	500	TCEQ 1005.03	DMB	01-29-06	21:24
ORO (Oil Range)	951	mg/kg		500	TCEQ 1005.03	DMB	01-29-06	21:24
TOTAL TPH 8,504		mg/kg	-	500			01-29-06	21:24
RCI								:
Reactive Cyanide	< 50	mg/kg	250	20	SW846.7.3.3	JK	02-01-06	8:00
Reactive Sulfide	< 50	mg/kg	500	20	SW846.7.3.4	JK	02-01-06	9:20
Corrosivity (Ph)	7.42	su	=>2; =<12.5	_	SW846.9045C	MN	01-25-06	13:15
Ignitability	> 160	°F	> 140	·	SW846.1010	JK	01-31-06	9:30
METALS - TCLP					SW846.1311	MN	01-24-06	
Antimony	< 0.08	mg/l	1.0	0.08	SW846.6010B	JK	01-26-06	19:44
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Barium	6.44	mg/l	100	0.02	SW846,6010B	. JK .	01-26-06	19:44
Beryllium	< 0.05	mg/l	0.08	0.05	SW846.6010B	JK (	01-26-06	19:44
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	01-26-06	19:44
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	01-26-06	19:44
Nickel	0.54	mg/l	70.0	0.05	SW846.6010B	JK	01-26-06	19:44
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	01-26-06	19:44
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JK	01-26-06	19:44
Mercury	< 0.002	mg/l	0.20	0.002	SW846.7470A	MN	01-26-06	08:30
·	arasteric Leaching Procedure	•	Compande			Q	hn Kel	10.
REG - Regulatory Lin	nit (User Should Confirm Lim	VOC - Votatile Organic	•			*	ohn tel	Le

MQL - Method Quanitation Limit

SVOC - Semivolatile Organic Compo

PPM - Parts Per Million

TPH - Total petroleum Hydrocarbons

John Keller, Ph.D **Laboratory Director** 

ANALYSIS:	BTEX	METHOD: EPA SW846/5030/8021B	MATRIX: Soil

1 1 1 1 1 1 1 TO		1111750		 INO.SAMPLE	a	_4^ 1
IANALYST:	dmb	IUNITS:	mg/kg	INCLOAMPLE	· ·	19
MANALIOI.	uiiio	10:4:10.	Highny	1110.01.01.	<b>-</b> .	,

SAMPLES:	60049-01	60052-01	60052-02	60053-01	60054-01	60055-01	60060-01	60078-01
	60078-02	60078-03	60071-01	60071-02	60071-03	60071-04	60071-05	60071-06
	60065.02	60065.03	60065.05					

MATRIX	MATRIX	SPIKE	MS	MS	MSD	RPD	CCV	MB	QC LIMI	TS (%)
MB	RESULTS	ADDED	RESULTS	REC	REC		REC		REC-RANGE	RPD
BENZ	0	100	110	110	105	4	110	0	60 - 120	20
TOL	0	100	98	98	98	0	98	0	60 - 120	20
ETBZ	0	100	111	111	98	12	111	0	60 - 120	20
XYLS	0	300	312	104	104	0	104	o	60 - 120	20
MTBE	0	100	87	87	137	44	87	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)

Ethylbenzene (ETBZ), Xylenes (XYLS)

MTBE - Methyl-tert-butyl ether

**CCV - Continuing Calibration Verification** 

MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative Percent Difference

REC - Recovery Percent

2/2/06 DATE

Lab.Dir./QA-QC Mgr.

ANALYSIS: BTEX	METHOD:	EPA SW846/5030/8021B	MATRIX: WATER

		The second secon			
ALLACAT				 INO.SAMPLES:	
#ANALYST:	dmb	TUNITS:	ma/	INO SAMPLES:	I
MAINALIUI.	unio	I OI TI O.	1119	1.10.0.0.0.	9 1

SAMPLES:	60034-01	60034-02	60034-03	60034-04	60034-05	60034-06	60034-07	60065.04
·								

MATRIX	MATRIX	SPIKE	MS	MS	MSD	RPD	CCV	MB	QC LIMITS (%)	
60034-05	RESULTS	ADDED	RESULTS	REC	REC		REC		REC-RANGE	RPD
BENZENE	0	100	101	101	99	2	110	0	60 - 120	20
TOLUENE	0	100	89	89	99	10	90	0	60 - 120	20
Et-BENZENE	0	100	94	94	91	3	92	0	60 - 120	20
XYLENES	0	300	266	89	89	1	89	0	60 - 120	20
MTBE	0	100	85	85	83	2	108	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)
Ethylbenzene (ETBZ), Xylenes (XYLS)

MTBE - Methyl-tert-butyl ether

CCV - Continuing Calibration Verification

MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative Percent Difference

REC - Recovery Percent

1/28/06

JOHN KELLER, Ph.D

DATE

Lab.Dir./QA-QC Mgr.

TANIAL MOIO	TPH	METHOD:	TNOCO	1005.3
ANALYSIS:	IPH	(MP-1911)	INKL	1005.5
m		1100-1100	,,,,,	

			* * * * * * * * * * * * * * * * * * *				
ANAL VOT	4000	MATRIX:	SOII	UNITS:	ma/ka	CAMPIEC: 16	
IANALYST:	dmb	INIA I KIX.	SOIL	IOINITO.	IIIU/AU	ISAMPLES: 15	. 11
		·					

SAMPLES:	60065-02	60065-03	60065-05	60066-01	60079-01	60079-02	60079-03
	60079-04	60079-05	60079-06	60079-07	60079-08	60079-09	60079-10
	60079-11					-	

SAMPLE	MB	CCV	LCS	MS	MSD	MS-MSD	QC LIMITS	
60079-06	mg/kg	REC	REC	REC	REC	RPD	REC	RPD
GRO RESULT	<50	119	100	96	104	8	70 - 130	30
DRO RESULT	<50	105	101	92	92	0	70 - 130	30

JOHN KELLER, Ph.D, Lab.Dir./QA-QC Mgr.

1/30/06 DATE

KEY:

TPH - Total Petroleum Hydrocarbons

**GRO - Gasoline Range Organics** 

DRO - Diesel Range Organics

**CCV - Continuing Calibration Verification** 

MB - Method Blank

LCS - Laboratory Control Sample

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative % Difference

REC - Recovery %

ANALYSIS:	700	METHOD:	TNRCC 1005.3
UNKINI VCIC	TPH	124 H( ); ),	TIME TO THE STATE OF THE STATE
IIMINAL I DIO.	16.0		1111100 1000.0
W			

ANALYST:	dmb	MATRIX:	WATER	UNITS:	mg/l	SAMPLES:	16
			· · · · · · · · · · · · · · · · · · ·				

SAMPLES:	60050-06	60059-01	60061-01	60061-02	60061-03	60061-04	60061-05
	60061-06	60061-07	60061-08	60061-09	60073-01	60073-02	60065-04
	60091-09	60091-10					

SAMPLE	МВ	CCV	LCS	MS	MSD	MS-MSD	QC LIM	ITS
60073-01	mg/l	REC	REC	REC	REC	RPD	REC	RPD
GRO RESULT	<5	111	87	82	76	7	70 - 130	. 30
DRO RESULT	<5	100	90	84	78	7.	70 - 130	30

1/30/06

DATE

KEY:

**TPH - Total Petroleum Hydrocarbons** 

**GRO - Gasoline Range Organics** 

**DRO - Diesel Range Organics** 

**CCV - Continuing Calibration Verification** 

MB - Method Blank

LCS - Laboratory Control Sample

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative % Difference

REC - Recovery %

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

#### **ENVIRON EXPRESS QUALITY CONTROL REPORT**

ANALYSIS:	METALS		METHOD:	EPA SW84	46/6010		MATRIX:	LIQUID
ANALYST:	JK	DATE:	01.26.06	UNITS:	PPM (mg/l)	)	NO.SAMPLES:	14
SAMPLES:	60062.01	60062.02	60065.01	60065.02	60065.03	60065.04	60065.05	60066.01
	60069.01	60070.01	60074.01	60074.02		60072.01		

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METHOD	QC LIN	AITS
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF. %	CALIB.	BLANK	RECOV.	DIFF.
Arsenic	0.00	5	4.89	98	103	5	96	0	75 - 125	20
Barium	0.00	5	4.95	99	103	4	98	0	75 - 125	20
Cadmium	0.00	5	4.92	98	102	3	94	0	75 - 125	20
Chromium	0.00	5	5.11	102	105	3	98	0	75 - 125	20
Lead	0.00	5	4.99	100	104	4	98	0	75 - 125	20
Selenium	0.00	5	4.95	99	102	3	96	0	75 - 125	20
A.1	0.00		4.03		400		400			

BATCH ID:

60062.01

ANALYSIS	MERCURY	METHOD: EPA	SW846/7471A	IMATRIX: TO	LP Fluid #1
MINIE I CIC.	III - 10011	MEI		1111 111 111 11	

ANALYSTS:	444	IDATE.	01.26.06	JUNITS:	- MA/	INO.SAMPLES:	4.1
IANALÝSTS:	MN	IDA (E:	U 1.20.00	JUNITO.	mg/l	HACKONINE LEG.	
<u> </u>							

SAMPLES:	60065.01	60065.02	60065.03	60065.04	60065.05	60066.01	60069.01	60070.01
ı	60074.01	60074.02	60074.03					
1								

#### MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METH.	CORR.	QC LI	MITS
Fluid #1	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF.	CALIB.	BLANK	COEFF	RECOV.	DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	1	60 - 120	20

John Keller, Ph.D.
Laboratory Director

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	CHAIN OF CUSTO	DY Results To:						Involc	e To:	7		(,							AYS) CIRCLE ONE
* ENVIRON		Company	Bou	<u> ۱</u>	un		-	Comp	2011:	<u> </u>	41		30 W	wa	<u>~~</u>			1 2 LAB LOT #	COC Present?
	1 (	Company: CES E	nul	70V) H	en	tal			any.	(									(Yes No
Express Laboratories	Page of	Address: 4904 (>-			, _		ľ	Addre	ss:		7	`						Shipment Sealed? (Yes) No	Samples Sealed? Yes No
401 North 11th.	RESS LABORATORIES, INC. St. / La Porte, Texas 77571-3	City	77	State:		Zip: ファ		City:	٠,			0	المراق	ale		Zip:		Received on Ice?	Samples Intact? (Yes No
(281) 471-0951	/ (800) 880-0156	Phone: 713~	754		SO			Phon	9:	$\angle$								Cooler Temp. (°C)	Preservative Shown?
e-mail: environe	5821 / After Hours: (281) 844-2 xp@aol.com	2308 Fax: 713 -	-67	6-1	67	<u></u>		Fax: PO#:			201		Quote#:					Hold Time OK?	Yes /No NA Res. Cl2 Check OK?
Project Name:		Sampler Remarks:	<sup>2</sup> Cntr. T	уре	6			. O								Ī		Aeg No	Yes No (Na)
Project Lodation:	Drill	·	Number		5							$\Box$						pH Check OK?	COC & Labels Agree?
House	ton TX		Volume 3 Preser		32	02					$\dashv$				+-	<del> </del>	-	Yes No NA Remarks & Ad	ditional Analyses
Project No:		<b>1</b> .	116361	valive			╗			OTAL		-3	_	十	1	1			ŕ
Samular (PDA)			1 1	9			ļ		EP	A TC		4			1	1			
Sampler (Pnnt):	Bowman	1		(C)OMP / (G)RAB	1 1	٦	ı			ı	ALS	_ =			İ	ł		i .	•
Sampler (Sign)	0			9)/	121	тРН (ТХ1005)	ı		ËS	รู	ME	RCRA 11		- [	ŀ	}	1		
EEL USE ONLY	SAMPLE ID.		MATRIX	MP.	)E)	Ě	Ì		ATIL	₹	8 €	100		1	1	ł			•
(LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	\ <u>₹</u>	Ŭ	BTEX (8021)	핕	짇	PAH	VOLATILÈS	SEMI-VOLS	RCRA 8 METALS	R			1			]	
60065.01	Coolart 9 0:1	1/18/0C 1/2:00 A.M	Li									X		•					
.02	2)	1/18/04			χ	X	X		 			X			1				
	3) 1	1010A.m	1	,								-	-	+	+	+			
.03	(arinding Dust	10:15 A.M			Z	1	X		_			X		-	-	+	-		
.04	Socoy Water	10.30A.M	Ly		X	区	区					丛				_	_	8	
1.05	Shot Dust	1/11/06	50		Y	X	V					X	•	-					
	6)															1		<u> </u>	
	7)		1-1			-		_			-			+	+	+	$\vdash$	!	
	8)		+-								$\vdash$		-		-	+-	<del> </del>	<b>\</b>	
	9)	<u> </u>	1						_						4	_	_	<del> </del>	
	10)																		
Belinquished By:	ð	Company:			Date	Time:	1		Pm	Rece	eived E	3y:				~	<u> </u>	Company:	
Relinquished By:	Darm	Company:			Dale			<u>o</u> ₽.	40		eived E		~	Nan	<del>**</del>	سه		Company:	
Relinquished By:	*****	Company:				Time:		<u>ש</u>		Rece	ived E	3v:						Company:	
			<del>,</del>					Key				· ,·							
	S:Soil W:Water WW:Waste Wa	ater SL:Sludge SO:Solid S	SE:Sedir	nent L	.: Lead	chate	WI:v	Vipe	OR:	Organi	ic OL	:Oil l	OS:Dru	m Solid	DL:	Orum L	.iquid	O:Other	
	P:Plastic G:Glass V:VOA Glass	<b>O</b> :Other				İ			<b>1</b> :lo	e(<4°	C) 2:1	HCL :	<b>3</b> :H2S0	3 4 <b>4:</b> HI	Pres	erval	live	<b>Key</b> laOH+Zπ Acetate <b>7</b> :Na2	2S2O3 <b>8:</b> None
Delivery of samples	constitutes acceptance of Environ's te		ce Schen	lule							-, -"								

7 E 509 8 LABIO



June 24, 2005

Mr. Pat Mickley Ameriforge Corporation 13770 Industrial Road Houston, TX 77015

RE: Ameriforge Corporation
OILY WATER
CES PROFILE # 1003

Dear Mr. Micley:

Thank you for your interest in CES Environmental Services, Inc. The above mentioned waste stream has been approved at our disposal facility in Houston, TX. We also assist with the following (if needed):

Disposal and/or Recycling

**Profiling Assistance** 

Manifesting

Labeling

The following conditions apply prior to receiving waste at our facility:

- Signed profile sheets must be on file.
- Waste received which does not conform to the profile may result in additional charges or rejection. Materials packaged in containers other than as indicated on the profile may be subject to surcharges as well.

Thank you for this opportunity. Please call if you have any questions or concerns about this approval.

Sincerely,

Must

MATT BOWMAN, PRESIDENT

CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information					
Company:	Ameriforge Corpo	pration			
Address:	13770 Industrial Road				
City, State, Zip:	Houston, TX 770			<del>, ,,,</del>	
Contact:	Pat Mickley		Title:		
Phone No:	(713) 393-4200		Fax No:	(713) 393-4	1329
24/hr Phone:	(713) 393-4200			,	
U.S. EPA I.D. No:	TXR000026690				
State I.D.	82538	· · · · · · · · · · · · · · · · · · ·	SIC Code:	N/A	
SECTION 2: Billing Company: Address:	z Information – 🛛	Same as Above			
City, State, Zip:					The second secon
Contact:		Title:	<u></u>		
Phone No:		Fax No:			
SECTION 3: General	al Description of th	e Waste			
Name of Waste: Oily Detailed Description outdoor containment a	of Process General	ting Waste: Removal of hydra Ifatcures carbon steel phlanges	nulic oils, cuttin	ng oils, and w	ater from around machines and
Physical State:	∠ Liquid	Sludge	Powder		
inysical State.	□ Solid	☐ Filter Cake ☐			
	□ Solid		Combination	ш.	
Specific Gravity (was	ter=1): <u>.98-1</u>	Density: 8.34 lbs/gal			
Layers:	☐ Single-phase	Multi-phase			
Container Type:	☐ Drum	☐ Tote 🖂	Truck		Other (explain)
Container Size:			5,000	<u> </u>	other (explain)
			<u>0,000</u>	_	<del></del>
<b>17</b>		<b>57 16</b> 11		<b></b>	en en en en en en en en en en en en en e
Frequency:	Weekly	Monthly	Quarterly	☐, 1	Yearly
Number of Units (con		<del></del>			
Texas State Waste Co	ode No: Re	ecyclable			
Proper U.S. DOT Shi	ipping Name:	Recyclable hydrocarbo	n and water mi	xture (oily wa	ater)
Class: N/A	UN/N	A: N/A	PG: N/A		RQ: N/A
· · · · · · · · · · · · · · · · · · ·					
E 1 D 1	r		·		
Flash Point	pH	Reactive Sulfides	Reactive C	anides	Solids
<u>&gt;200</u>	4-11	<u>N/A</u> mg/I	N/Amg/l		<u>0-2</u> %

						•
Oil&Grease	TOC	Zinc	Copper	Nickel		
N/Amg/I SECTION 4: Physics	N/Amg/l	N/Amg/l	N/Amg/l	N/Amg/l	·	
SECTION 4: Physica						
Thorn		NTS/TABLE the following materials		Concentration Ranges are acceptable	Units or %	
Water	aste consists of t	the following materials		0-95	01 /6	
Hydraulic Oil				-5		
Cutting Oil		· · · · · · · · · · · · · · · · · · ·		-5 -5		
Dirt/Sand/Rust				-3		
Dir Cara, rast				-0		
	<del></del>					
<u> </u>					<del></del>	
SECTION 5: Safety	Ralatad Data					
		the use of special protect	ive equipment, p	lease explain.		
SECTION 6: Attache	ed Supporting D	ocuments				
List all documents, no None	otes, data, and/o	r analysis attached to thi	s form as part of	the waste approval pack	age.	
SECTION 7: Genera	tor's Knowledg	e Documentation				. *
Laboratory analysis of generator knowledge:		waste characteristics, lis	sted below, WAS	NOT PERFORMED bas	sed upon the	following
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:	There are no There are no No reactive r pH is neutral	elow regulatory limits volatile organic materials semivolatile organic mate naterials are introduced to before shipment materials are present in the	rials present in the the process			
SECTION 8: Genera	tor's Certification	on		•		
The information containattached description is omissions of compositions	ned herein is bas complete and a on properties ex e of all materials	ed on  generator know ccurate to the best of my	y knowledge and suspected hazards	analytical data. I hereby contability to determine that is have been disclosed. I contable Date:	no deliberate	or willf
CES LISE ONLY (DO NOT	TANDEN IN THE C	D. OTT.				

Additional Information:

Rejected

2

Approval Number: \_

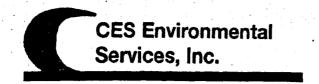
<u>S</u>	ECTION 9: Waste Receipt Classification Under 40 CFR 43	<u>37</u>	•	
Is	this material a wastewater or wastewater sludge?   YES	□ NO		
If	'Yes', complete this section.			
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATE	GORY, GO TO THI	E NEXT PAGE.
Met	als Subcategory: Subpart A			
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi		sphating operations	
<u>Oils</u>	Subcategory: Subpart B			
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	<b>;</b>		
<u>Orga</u>	nics Subcategory: Subpart C	•	•	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes	irces		
	Wastewater from paint wasnes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic non-petroleum sources			

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, منا has any of the poliutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

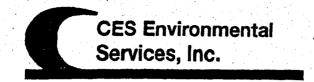
#### **SECTION 10: Additional Instructions**

Organics Subcategory

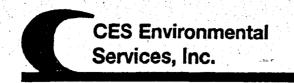
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



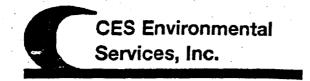
Profile #:			
Generator: AMERIFORGE	CORDBRATION		
Address: B710 INDUSTRA			
Name of Waste: <b>RECYCLABLE</b>	HYDROCARBON +	WATER MI	KTUR
TCEQ Waste Code Number: _ R	ECYCLABLE		
Incompatibilities:	NONE		
Safety Related Data/Special Han	dling: <u>5UANDARD</u> VI	PE	
		er d'anna ann an an an	
Waste Sample Data			
Color of Sample: Brown	<u> </u>		
Physical Appearance	0.1:4		
Liquid X	Solid	Chadaa	
Multiphase Liquid	Solid	Sludge	<del>.                                    </del>
Describe:		<del> </del>	
Matches description from the Matches general composition pH of liquid (water phase): Odor: Compatible with proposed m (EPA-600/2-80-076 revieus) Drum process code(s) assign	n from the waste profile  7  nix material: ew if applicable)	⊠ YES ∷ ⊠ YES ⊠ YES	□ NO □ NO
Bulk process code assigned (			
Bulk tank assigned:			
and the second s			
Shipment Information		Control	A A STATE OF THE S
Job Confirmation Number:	14703	<del></del>	
**************************************	IILLOF LADING	<del>-</del>	
Date of Shipment: 10-6-0			
Container Type (i.e. drum, tote,	etc.): <u> </u>		
Quantity: <u>そ</u> ○			
1 10	A111		
Analyst/Sampler: //w	Klille	Date: _ <i></i>	6-05



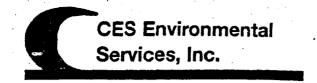
Profile #: 1003	
Generator: AMERIFORGE CORPORATION	
	TX 77015
Name of Waste: REC. HYDROCAR BOWS + HZO	
TCEQ Waste Code Number: <u>PECYCLABLE</u>	
Incompatibilities:	
Safety Related Data/Special Handling: 57ANDARD BYC	
Waste Sample Data	
Color of Sample: Brow N	
Physical Appearance Liquid X Solid	
Liquid X Solid Sol	Sludge
Describe:	Siddge
Describe.	
Matches description from the waste profile:	▼ YES NO
Matches general composition from the waste profile:	X YES NO
pH of liquid (water phase):	
• Odor:	
• Compatible with proposed mix material:	∑ YES □ NO
(EPA-600/2-80-076 review if applicable)	
Drum process code(s) assigned (see list):	
■ Bulk process code assigned (see list): 0/w	
Bulk tank assigned:	
	The second secon
Ch.:	
Job Confirmation Number: 15/92	A CONTRACTOR OF THE CONTRACTOR
Waste Manifest Number: QJULOF LADING	········
Date of Shipment: 10 by 105	
Container Type (i.e. drum, tote, etc.): Deum	
Quantity:	
WILKI	in some laborator
Analyst/Sampler: Nw U Jovw	Date: 10/24/05
THE EXPLICATION OF THE PROPERTY OF THE PROPERT	



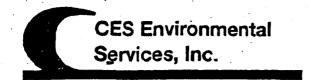
Profile #: 1003		
Generator: AMERIFORGE CORP		
Address: 13770 FNOUSTRIAL	je s Aglika s	
Name of Waste: PECYCLABLE HYDROCARBON	1 (OILY	WATER)
TCEQ Waste Code Number: RECYCLABLE		
Incompatibilities: NONE KNOWN		
Safety Related Data/Special Handling: STANDARD	PPE	
Waste Sample Data		
Color of Sample:	· · · · · · · · · · · · · · · · · · ·	
Physical Appearance		
LiquidSolid		
Multiphase Liquid Solid	Sludge	
Describe:	· · · · · · · · · · · · · · · · · · ·	
Matches description from the waste profile:	⊠ YES	□ NO
• Matches general composition from the waste profile:	X YES	□NO
• pH of liquid (water phase): 6.9		
• Odor: <u>O'CY</u>	rzk.ma	
Compatible with proposed mix material:	YES	NO
(EPA-600/2-80-076 review if applicable)		
Drum process code(s) assigned (see list):		
Bulk process code assigned (see list):		
Bulk tank assigned: 7-4		
	and the second	
Shipment Information		
Job Confirmation Number: P Waste Manifest Number: BoL 16298; 16299	<del></del>	
Date of Shipment: 12   02   05		
Container Type (i.e. drum, tote, etc.): TANKER		
Quantity: 5000 GAL; 2750 GAL		· · · · · · · · · · · · · · · · · · ·
Qualitity		
ALX AL		12/02/05
Analyst/Sampler:	- Date:	12100105



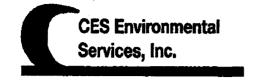
	Generator: AMERIFORGE CORPORATION	
	Address: 13770 INDUSTRIAL  Name of Waste: RENYCLABLE HYDROCARBON (OILY WATER)	
	TCEQ Waste Code Number: RECYCLABLE	
	Incompatibilities: NONE KNOWN	
	Safety Related Data/Special Handling: STANDARD PPE	٠.
	Waste Sample Data	
į.	Color of Sample: Brown / GLAY	
	Physical Appearance  Liquid Solid  Multiphase Liquid Solid Sludge  Describe:	
	■ Matches description from the waste profile: YES NO ■ Matches general composition from the waste profile: YES NO ■ pH of liquid (water phase): 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	(EPA-600/2-80-076 review if applicable)  • Drum process code(s) assigned (see list):	
	Bulk process code assigned (see list):	_
-	Bulk tank assigned: <u>T-5</u>	
	Shipment Information  Job Confirmation Number:  Waste Manifest Number:  Del 16733	,
	Date of Shipment: 12117/05  Container Type (i.e. drum, tote, etc.): TANKER	
	Quantity: 5000 GAL	
	Analyst/Sampler: 12/17/o	5



Profile #: 1003
Generator: AMERIFORGE CORPORATION
Address: 13770 ENAVSTRIAL RD
Name of Waste: OILY WATER
TCEQ Waste Code Number: RECYCLABLE
TCEQ waste code Number.
Incompatibilities: NONE KNOWN Safety Related Data/Special Handling: 5+ANDARD PPE
Safety Related Data/Special Handling: 5+ANDARD PPE
Waste Sample Data
■ Color of Sample:
Physical Appearance
Liquid Solid
Multiphase Liquid Solid Sludge Sludge
Describe:
■ Matches description from the waste profile: YES NO
<ul> <li>Matches general composition from the waste profile: XYES NO</li> </ul>
■ pH of liquid (water phase):
• Odor:
<ul> <li>Compatible with proposed mix material:</li> </ul> XYES NO
(EPA-600/2-80-076 review if applicable)
Drum process code(s) assigned (see list):
Bulk process code assigned (see list):
Bulk tank assigned:
Shipment Information
Job Confirmation Number: +67
Waste Manifest Number: 16750
Date of Shipment: 12 119105
Container Type (i.e. drum, tote, etc.):
Quantity: 1836 GAC
Analyst/Sampler: Date: (2/19/05
Analyst/Sampler: Date: 12/19/05

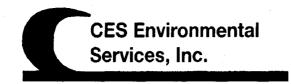


Profile #: 1003
A ACTOR OF CORPORATION
Generator: AMERIFORGE CORPORATION  Address: 13770 INDUSTRIAL ROAD
Address: 13770 INBUSTRIAL PUAD
Name of Waste: OILY WATER
TCEQ Waste Code Number: RECYCLABLE
Incompatibilities: YOPE KNOWP
Safety Related Data/Special Handling: STANDARD PPE
Waste Sample Data
Color of Sample: CPMY
Physical Appearance
Liquid Solid
Multiphase Liquid Solid Sludge
Describe:
Matches general composition from the waste profile:   PH of liquid (water phase): 5 6  Odor: ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○
Shipment Information Job Confirmation Number:  Waste Manifest Number: 17310  Date of Shipment: 01/09/06  Container Type (i.e. drum, tote, etc.): TANKER  Quantity: 3000 GAL
Analyst/Sampler: Date: 01/09/06



## Waste Profile Re-Certification Form

CES Waste Approval #:	<u>1003</u>	
Customer:	Ameriforge Corp	poration
Waste Generator:	Ameriforge Corp	poration en en en en en en en en en en en en en
Waste Stream Name:	Oily Water	
Expiration Date:	6/20/2008	
profiles on an annual basis. generation process of the afthazardous as per 40 CFR 26 Generator hereby certifies the	The purpose of this forementioned waste s i1.3.  nat the components in	tal Services, Inc. requires recertification of all approved wast form is to confirm that no changes have been made in the tream and that the waste stream remains classified as non- the aforementioned waste stream and the process generating the aforementioned CES Waste Approval Number: (Check
Appropriate Box)	same as when issued	i me atorementioned CES waste Approvat Number. (Check
□ No changes, please recen	tify.	Analysis is NOT required for recertification.
☐ Please send new profile a has changed.	s waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.
Customer Name  AMERIFORGE, ENV  Company / Title  7-18-08  Date	. AFFAIRS MGR	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability



### Waste Pre-Acceptance/Approval Letter

Date 7/31/2006

Dear Gary Tott

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1707

Generator: G & R Waste Oil Services

Address:

15223 Falcon Ridge Humble, TX 77396

#### Waste Information

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oil and water from oil recycling activities where as oily waters are collected and a portion of the oil is recovered through heating.

Color: Varies

Odor: Oil like

pH: na

**Physical State:** 

Incompatibilities: Oxidizers

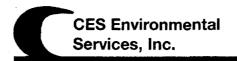
Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	GOR WAST.	e Oil Services		
Address:	15223 FALCON			· .
City, State, Zip:	Humble Tx	77396		
Contact:	GARY TOTT		Title:	owner
Phone No:	832 - 771 -11	44	Fax No:	
24/hr Phone:	(271) 704-3		-	
U.S. EPA I.D. No:	TX R00005		_	1.
State I.D.	A 35828		SIC Code:	NIA
	H DOOCS		- ~~~~~~~~	
SECTION 2. Billing	Information – 📝 Sa	me as Ahove		
Company:	miormation – p Sa	ine as Above		
Address:				
City, State, Zip:		Tial.		
Contact:		Title:		
Phone No:		Fax No:		
SECTION 3: General	al Description of the <b>V</b>	<u>Vaste</u>		
•		-1 -		•
Name of Waste: <u>Ke</u>	cyclable Oily w	Ater		
<b>Detailed Description</b>	of Process Generating	g Waste: <u>Oil</u> and wat,	er from oil r	re cyling activities where assulpanters re collected and aution of the oil
	_/		A 6	re collected pride partion of the oil
Physical State:	Liquid Liquid		Powder	is recovered through heating
	☐ Solid	Filter Cake	Combination	
Color: Vories	ρΩ	or: None or like	_	
Color: <u>- · · ·</u> c y	Ou	01	2_	
Consider Consider (cons	1). M Q ) )	Density: 8 lbs/gal		
Specific Gravity (wat	ter=1): <u> </u>	Density: _ O los/gai		
Layers:	Single-phase	Multi-phase		
			,	
Container Type:	☐ Drum	Tote	Truck	Other (explain)
Container Size:	5500	<del>-</del>		
Container Size.	<u> 7 700</u>	<del></del>		
Frequency:	☐ Weekly	Monthly 🔲	Quarterly	☐ Yearly
Number of Units (cor		Other:	• •	
,				
Texas State Waste Co	ode No:	cycle		
Proper U.S. DOT Shi	ipping Name:	TOO HON	reculated	Oil And water mixture
Class	TINI/NI A .			
Class: WA	UN/NA:	NA	PG: ∧	RQ: NA
TI I D I	T =		15	
Flash Point	PH MA	teactive Sulfides	Reactive Cy	
<u>&gt;</u> 200		0 mg/l	O mg/l	
Oil&Grease	TOC	Zinc O mg/l	Copper 0 mg/l	Nickel O mg/l
/ NO 10 MOT/1	( ; / <del>/*/</del> : m \( f / l	· • mo/1	v mo/i	i O mori

#### **SECTION 4: Physical and Chemical Data**

 COMPONENTS TABLE	Concentration	Units or %	
The waste consists of the following materials	Ranges are acceptable		
water	47-99	%	
0;\	1-3	9/6	
 · .			
		ļ	

SECTION	5: Safety	Related	Data
	J. Daici	ittiaittu	Data

If the handling of this waste requires the use of special protective equipment, please explain.  $\frac{54_{\rm AH}\phi_{\rm F}\phi}{2}$  PPE

#### **SECTION 6: Attached Supporting Documents**

#### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: TCLP Volatiles:  TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:	
SECTION 9: Generator's Certification	
The information contained herein is based on generator knowled attached description is complete and accurate to the best of my k omissions of composition properties exist and that all known or su tested are representative of all materials described by this document.	mowledge and ability to determine that no deliberate or willful spected hazards have been disclosed. I certify that the materials
Authorized Signature:	Date: 8-1-06
Printed Name/Title: Cary Toth	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Northalm Ethough	Additional Information:
Date: $8 - 1 - 06$ Approved Rejected	REC
Approval Number: 1707	

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437	
Is t	this material a wastewater or wastewater sludge? XYES	□ NO
If'	Yes', complete this section.	
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROP	RIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ls Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electr Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipm	
Oils S	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
<u>Orga</u>	nics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sourc Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation	es
	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

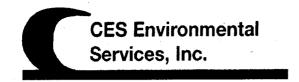
☐ Metals Subcategory

Oils Subcategory

Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



## Waste Pre-Acceptance/Approval Letter

Date 7/31/2006

Dear Gary Tott

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1707

Generator: G & R Waste Oil Services

Address: 15223 Falcon Ridge

Humble, TX 77396

#### **Waste Information**

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oil and water from oil recycling activities where as oily waters are collected and a portion of the oil is recovered through heating.

Color: Varies

Odor: Oil like

pH: na

**Physical State:** 

**Incompatibilities:** Oxidizers

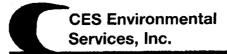
Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

<b>SECTION 1:</b> Gener	ator Information			
Company:	Con R waste Oil S	ervices		
Address:	15223 FALCON Ridge			
City, State, Zip:	Humble Tx 77396	,		
Contact:	GORY TOTT	7	Γitle: Ο ν	nder
Phone No:	832-771-1144	F	Fax No:	
24/hr Phone:	(271) 704-3194			
U.S. EPA I.D. No:	TX R000057661			.14
State I.D.	H 85828	S	SIC Code:	NIA :
	FI 8 7 G C C		<del></del>	
SECTION 2: Billing	Information – 🛭 Same as Above	2		
Company:		•		
Address:				-
City, State, Zip:		<del></del>	<del></del>	
Contact:		Title:		
Phone No:		Fax No:	·	
-				
SECTION 3: Gener	al Description of the Waste			
Name of Waste: &	cyclable oily water			
Detailed Description	of Process Generating Waste:	)   And water	from oil recyl	ling activities where asoliquaters
Physical State:	E Liquid Studge	느 '	rowuei	ing activities where assurptions where around and author of the Oil s recovered through heating
	☐ Solid ☐ Filter C	аке 📋	Combination	
Color: Vorics	Odor: <u>Ko</u> ne	- oil like		
Specific Gravity (wa	ter=1);	B lbs/gal		
Layers:	☐ Single-phase ☐ M	ulti-phase		
C				
Container Type:	☐ Drum ☐ Tote	4	Truck [	Other (explain)
Container Size:	5500			
Frequency:	☐ Weekly ☑ Month	ı 🗀	<b>^</b>	<del>-</del> 1
- •		·• · —	Quarterly [	Yearly
Number of Units (co		ther:		
Texas State Waste C	ode No: fecycle			
Proper U.S. DOT Sh		N DOT C	ocupted ()	and moter mixture
Class:	UN/NA:		no.	
Class: NA	NA	- Alexandra	PG: NA	RQ: NA
Flash Point	pH / Reactive Sulf	ides	Reactive Cyanide	Solida
> <b>≥ 2</b> 00	Meacuve Sun	1463	Omg/i	Solids
Oil&Grease	TOC Zinc	Co	pper	Nickel 90
100 mg/l	mg/l 0 ms	·/I C	pper mo/l	O mg/l

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %	
water	47-99		
0;1	1-3		

SECTION	5: Safety	Related	Data

If the handling of this waste requires the use of special protective equipment, please explain.  $54_{\rm AE}$  when 4 P F

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

#### **SECTION 7: Incompatibilities**

TCLP Metals: TCLP Volatiles:

Please list all incompatibilities (if any):

Nome

O ×10131

#### **SECTION 8: Generator's Knowledge Documentation**

 $Laboratory\ analysis\ of\ the\ hazardous\ waste\ characteristics, listed\ below,\ WAS\ NOT\ PERFORMED\ based\ upon\ the\ following\ generator\ knowledge:$ 

TCLP Semi-Volatiles:	7		
Reactivity:	- <del>X</del>		
Corrosivity: Ignitability:	<del></del>		
SECTION 9: Generato	r's Certification		
attached description is comissions of composition	complete and accurate to the best of my	ledge and/or analytical data. I hereby certify that the above and knowledge and ability to determine that no deliberate or willfususpected hazards have been disclosed. I certify that the materials at.	ıl
Authorized Signature:	Day Foll	Date: 8~1-06	
Printed Name/Title:	GARY TOTH		
· · · · · · · · · · · · · · · · · · ·			
CES USE ONLY (DO NOT W	VRITE IN THIS SPACE)		
Compliance Officer:	ad tahu Thaigh of	Additional Information:	
Date: 8-1-06	(Approved ) Rejected	REC	
Approval Number:	1707		

<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 4	137
ls	s this material a wastewater or wastewater sludge? YES	□ NO
. If	S'Yes', complete this section.	
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY, GO TO THE NEXT PAGE.
Mei	tals Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi	
<u>Oils</u>	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	S
<u>Org</u>	anics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sor Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol	urces
	Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

Oils Subcategory

Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

4350 GAL



## Waste Pre-Acceptance/Approval Letter

Date 7/31/2006

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CES Profile # 1707

Generator: G & R Waste Oil Services

Address: 15223 Falcon Ridge

Humble, TX 77396

#### Waste Information

Name of Waste: Recyclable Oily Water

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oil and water from oil recycling activities where as oily waters are collected and a portion of the oil is recovered through heating.

Color: Varies

Odor: Oil like

pH: na

**Physical State:** 

Incompatibilities: Oxidizers

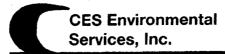
Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

<b>SECTION 1:</b> Gener	ator Information					
Company:	GARWA	ste Oil Ser	vices			
Address:		n Ridge				
City, State, Zip:	Humble T					
Contact:	GARY TOT			Title:	DWHER	
Phone No:		1199		Fax No:		
24/hr Phone:		3194				
U.S. EPA I.D. No:	TX 20000				1.	
State I.D.	A 35828	3 00.		SIC Code:	NIA	
State 1.D.	H 828 C 8			Sie coue.	10/2	<u> </u>
SECTION 2: Billing	Information D	, Sama se Ahaya				
Company:	miormation - [P]	Same as Above				
Address:		<del></del>				
City, State, Zip:						
Contact:			itle:			
Phone No:			_		<del></del>	
I hone No.		г	ax No:			
CECTION 2						
SECTION 3: Gener	al Description of th	e Waste				
λ		. A4.0				
Name of Waste: R	cyclande Dil	William				
Detailed Description	of Process General	ing Waste: _O\l	and nates	r from oil r	e exiting ac	tirities where assumenters and a partion of the Oil area through heating
Dharata - 1 C4 - 4	[]/x		_	A.	c collected	and a partion of the Oil
Physical State:	☑ Liquid	∐ Sludge	Ш	Powder	is recov	ored through heating
	Solid Solid	Filter Cake	. 🔲	Combination		•
			.1 1			
Color: Vorics		Odor: None	oil like			e e
Specific Gravity (wa	ter=1): 0.8-1.1	Density: <u> </u>	lbs/gal			
1 ,	-)·	Density	_ 105/ <b>541</b>			
Layers:	Cingle phase	(VM.)				
Layers.	Single-phase	☑ Multi-	pnase			
C				,	_	
Container Type:	∐ Drum	Tote	4	Truck	. 📙 o	ther (explain)
Container Size:	<u>5500</u>					
Enganomore		77 34 111				
Frequency:	Weekly	Monthly		Quarterly	Y	early
Number of Units (cor		Other	:			
Texas State Waste C	ode No: Q	ecycle				
Proper U.S. DOT Shi	inning Names		A 33 mm			
1 1 Oper C.S. DOI Sil	ipping Name:	NOH	DOT	regulated	bng 1:0	mater mixture
Class:	UN/N	A: 1/1		DC .		RO: NA
<u> </u>		N X			A	
Flash Point	pH /	Reactive Sulfides	<del></del>	Reactive Cya	nides	Solids
<u> &gt; 200</u>	<u> </u>	O_mg/l		O_mg/l		0-7 %
O <u>il</u> &Grease	TOC	Zinc	10	opper	Nickel	
Go mg/l	A mol	0 mg/l	`	0 ma/l	Michel	

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %	
water	47-99	%	
0;1	1-3		

<b>SECTION</b>	5:	Safety	Related	Data

If the handling of this waste requires the use of special protective equipment, please explain.  $54_{\rm ABW}$  and PPE

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

#### **SECTION 7: Incompatibilities**

**TCLP Metals:** 

Please list all incompatibilities (if any):

Printed Name/Title: Cong Tott

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Volatiles:	<u>×</u>		•
TCLP Semi-Volatiles:	<u> </u>		
Reactivity:	<u>×</u>		
Corrosivity:	<u></u>		
Ignitability:	<del>-</del> <del>X</del>		
SECTION 9: Generato	r's Certification		
attached description is c	omplete and accurate to the bes	or knowledge and/or analytical data. I herelest of my knowledge and ability to determine nown or suspected hazards have been disclosed.	that no deliberate or willful
tested are representative of	of all materials described by this	document.	. I certify that the materials
Authorized Signature:	A A u	Date: 8-1-06	•

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Postalur Hauge A  Date: 8-1-06  Approval Number: 1707	Additional Information:

5	SECTION 10: Waste Receipt Classification Under 40 CFR 4.	<u>37</u>
]	s this material a wastewater or wastewater sludge? XES	□ NO
ì	f 'Yes', complete this section.	
1	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	PRIATE CATEGORY, GO TO THE NEXT PAGE
<u>Me</u>	etals Subcategory: Subpart A	•
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from election of the containing wastewater Alkaline and acid solutions used to clean metal parts or equip	
<u>Oil</u>	s Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
<u>Org</u>	ganics Subcategory: Subpart C	:
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	rces

(1)	If the waste contains oil and	grease at or in excess	of 100 mg/L, th	he waste should be	classified in the oils subcategory.
-----	-------------------------------	------------------------	-----------------	--------------------	-------------------------------------

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

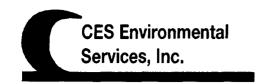
☐ Metals Subcategory

Oils Subcategory

Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Waste Profile Re-Certification Form**

CES Waste Approval #:	HOU-1707		19478 DeBNAD+ Porter TX 77365 Fax (281) 354-1695
Customer:	G & R Waste Oil	<u>Services</u>	Porter TX 77365
Waste Generator:	G & R Waste Oil	<u>Services</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Waste Stream Name:	Recyclable Oily \	<u>Nater</u>	Fax (281) 354-1695
Expiration Date:	8/1/2008		
profiles on an annual basis. generation process of the af hazardous as per 40 CFR 26 Generator hereby certifies the	The purpose of this forcementioned waste st 51.3.  that the components in a same as when issued tify.	al Services, Inc. requires recertion is to confirm that no change ream and that the waste stream the aforementioned waste stream the aforementioned CES Waste Analysis is NOT required:  The following analysis is replease sumbit results of the TCLP Metals TCLP Wolatiles TCLP Semi-volatile Reactivity Corrosivity Ignitability	es have been made in the remains classified as non- m and the process generating e Approval Number: (Check for recertification. equired for recertification. e following tests.

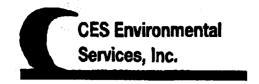
South Coast Terminals (UNDEN)

De Cluu

CES ENVIROMENTAL

7137488664

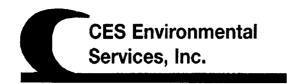
P.003



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Waste Profile Re-Certification Form**

CES Waste Approval #:	<u>1634</u>	
Customer:	South Coast Ter	<u>minals (La Porte)</u>
Waste Generator:	South Coast Ter	minals (La Porte)
Waste Stream Name:	Recyclable Hydro	ocarbon and Water Mixture
Expiration Date:	6/20/2008	
waste profiles on an annual the generation process of the hazardous as per 40 CFR 26 Generator hereby certifies the	basis. The purpose of e aforementioned wast i1.3.	tal Services, Inc. requires recertification of all approved f this form is to confirm that no changes have been made in the stream and that the waste stream remains classified as non-the aforementioned waste stream and the process generating the aforementioned CES Waste Approval Number: (Check
Appropriate Box)  No changes, please recer	tify.	☐ Analysis is NOT required for recertification.
Please send new profile a has changed  NANA  Customer Name  Signature  Tore MAN  Company / Title  T   15  09  Date	is waste stream	☐ The following analysis is required for recertification. Please sumbit results of the following tests.  ☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability



## Waste Pre-Acceptance/Approval Letter

Date 6/21/2006

Dear Dan Pham

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1634

Generator: South Coast Terminals (La Porte)

Address: 10900 Strang Rd.

La Porte, TX 77571

#### **Waste Information**

Name of Waste: Recyclable Hydrocarbon and Water Mixture

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Rinsewater from cleaning out a tank last containing Oil Red Dye

Color: dark

Odor: hydrocarbon

**pH:** 3-11

**Physical State:** 

**Incompatibilities:** None known

Safety Related Data/Special Handling:

Standard PPE required

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021 Fax: (713) 676-1676

Phone: (713) 676-1460

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener					
Company:	South Coast Term				
Address:	10900 Strang Road				
City, State, Zip:	LaPorte, TX 7757	1			
Contact:	Daryl Poe		_ Title:	EH&S Manager	
Phone No:	713-672-2401		_ Fax No:		
24/hr Phone:	713-672-2401				
U.S. EPA I.D. No:	TXD981611486	·····	_	<b>λ</b> Λ	
State I.D.	37710		_ SIC Code:	NA	
SECTION 2: Billing					
1 V	South Coast Termina	ıls			
	7401 Wallisville Rd.				
City, State, Zip:	Houston, TX 77020				
Contact:		Title:		٧	
Phone No:		Fax No:			
SECTION 3: General Name of Waste: Rec	yclable Hydrocarbor	and Water Mixture			
<b>Detailed Description</b>	of Process Generat	ing Waste: Rinse water fro	m cleaning out a	tank last containing Oil Red Dye.	
Physical State:	∠ Liquid	☐ Sludge [	Powder		
,	□ Solid	Filter Cake	Combination	n	
	Sonu	Filter Cake	Combination		
Color: Dark	(	Odor: Hydrocarbon			
Specific Gravity (was	ter=1): <u>1</u>	Density: 8.34 lbs/gal			
Layers:	☐ Single-phase	Multi-phase			
Container Type:	☐ Drum	☐ Tote 🗵	Truck	Other (explain)	
Container Size:			5000		
Container Size.			<u>0000</u>		
E	W. alala	□ N/(411 □	1 0	□ ¥7	
Frequency:	☐ Weekly	☐ Monthly ∑	Quarterly	Yearly	
Number of Units (cor	, <del>-</del>	Other:			
Texas State Waste Co	ode No: Re	cyclable	ŧ		
Proper U.S. DOT Shi	ipping Name:	Non DOT regulated i	naterial		
Class:	UN/N	A: Na	PG:	Na RQ: Na	
Flash Point	pН	Reactive Sulfides	Reactive C	yanides Solids	
>200					- 1
	3-11	N/Amg/I	N/Amg/I	0-1%	
Oil&Grease	3-11 TOC	N/Amg/l Zinc	<u>N/A</u> mg/l Copper	0-1% Nickel	

CES Environmental Service

713 676 1676 P.03

#### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	90-95	%
Diesel	5-10	%
Soap	0.001-0.5	%
Oil Red B4 Liquid Dye (msds attached)	0-0.5	9/4

#### SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE Required

#### SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS for Oil Red B4 Liquid Dve

#### SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

#### SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	$\overline{\mathbf{x}}$
Reactivity:	$\overline{\mathbf{x}}$
Corrosivity:	X
Ignitability:	X

#### SECTION 9: Generator's Certification

The information contained herein is based on 🔯 generator knowledge and/or 🛄 and	alytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my knowledge and al	aility to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards I	have been disclosed. I certify that the materials
tested are representative of all materials described by this document.	
Authorized Signature: Dougle Por	Date: June 15, 2006
Printed Name Title: DANYIE POE HSE MING.	
Drinted Name/Title: 1818 YEAR 100 CON 1910.	

Printed (Name/Fitte)	
CES USE ONLY (DO NOT WRITE IN THIS SPACE).  Compliance Officer: Published Congretation of the Congretation	Additional Information:  REC

ECTION 10: Waste Receipt Classification Under 40 CFR 4	<u> 137</u>
s this material a wastewater or wastewater sludge?   YES	⊠ NO
f 'Yes', complete this section.	
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY, GO TO THE NEXT PAGE.
tals Subcategory: Subpart A	
Vibratory deburring wastewater	
s Subcategory: Subpart B	
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
anics Subcategory: Subpart C	
Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations	urces
	sthis material a wastewater or wastewater sludge? YES  Yes', complete this section.  **LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO **Initial Subcategory: Subpart A**  Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi  **Subcategory: Subpart B**  Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes  **anics Subcategory: Subpart C**  Landfill leachate Contaminated groundwater clean-up from non-petroleum sor Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation

(1)	If the v	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# Oil Red B4 Liquid Dye Material Safety Data Sheet

### 1 Company Identification

Octel Starreon LLC 8375 S. Willow Street Littleton, CO 80124 Product information 1-800-441-954 In Case of Emergency Call Chemtrec 1-800-424-930

#### 2 Composition / Ingredient Information

Material	<b>CAS Number</b>	<u>%</u>
2-Naphthalenol[(Phenylazo)Phenyl]-Azo Alkyl	<del></del>	60
Derivatives (C.I. Solvent Red 164) *Aniline		
*O-Toluidine		
*Xylene	1330-20-7	32
*(Ethylbenzene)		

NOTE: C.I. Solvent Red 164- Ref TSCA Accession #35371

## 3 Hazardous Identification

#### **Potential Health Effects**

Skin contact with xylene may include drying of the skin with irritation and rash. Skin permeation can occur in amounts capable of producing the effects of systemic toxicity.

Eye contact may cause eye irritation with discomfort, tearing, or blurring of vision.

Inhalation or ingestion of Xylene may cause nonspecific discomfort, such as nausea, headache, or weakness; or temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness. Higher exposures may lead to cardiac stress; anemia and other blood changes; respiratory effects; possible liver and kidney damage; or fatality from gross overexposure.

Ingestion of Xylene may cause gastrointestinal tract irritation; nonspecific discomfort, such as nausea, headache, or weakness; liver effects and temporary nervous system depression.

Individuals with preexisting diseases of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures.

Oil Red B4Liquid Dye Revised 01/28/02

Page 1 of 7 Octel Starreon LLC

<sup>\*</sup>Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

#### Carcinogenicity Information

The following components are listed by IARC, NTP, OSHA, ACGIH as carcinogens. A "P" indicates a proposed carcinogen.

Material

IARC

NTP X OSHA

ACGIH

**O-TOLUIDINE** 

X

Octel Starreon controls the following materials as potential carcinogens: O-TOLUIDINE.

Ethylbenzene has been classified by the Internal Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). This IARC classification was based upon limited evidence of carcinogenicity to animals and inadequate evidence of carcinogenicity to humans.

#### **4** First Aid Measures

#### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

#### **Skin Contact**

Flush skin with water after contact. Wash contaminated clothing before reuse.

#### **Eye Contact**

In case of contact immediately, flush eyes with plenty of water for at least 15 minutes. Call a physician.

#### Ingestion

If swallowed, do not induce vomiting. Allow victim to rinse his mouth and then to drink 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Call a physician.

#### **Notes to Physicians**

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400-ml water and mix thoroughly. Administer 5 ml/kg or 350 ml for an average adult.

Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia.

## 5 Fire Fighting Measures

#### Flammable Properties

Flash Point .....>83°F (>28°C) Method ......PMCC

#### Flammable limits in Air, % by Volume

Flammable liquid. Vapor forms explosive mixture with air. Vapors or gases may travel considerable distances to ignition source and flash back.

Oil Red B4Llquid Dye Revised 01/28/02 Page 2 of 7 Octel Starreon LLC Hazardous gases/vapors produced in fire are carbon monoxide, oxides of nitrogen acrid fumes and smoke.

#### **Extinguishing Media**

Water Spray, Foam, Dry Chemical, CO2.

#### **Fire Fighting Instructions**

Wear self-contained breathing apparatus. Wear full protective equipment.

### 6 Accidental Release Measures

Note: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) SECTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Soak up with sawdust, sand, oil dry or other absorbent material. Remove source of heat, sparks, flame, impact, friction, or electricity. Dike spill. Prevent material from entering sewers, waterways, or low areas.

#### Spill Clean-Up

Soak up with sawdust, sand, oil dry or other absorbent material.

#### **Accidental Release Measures**

Spills are very slippery and should be cleaned up promptly.

#### 7 Handling and Storage

#### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

#### **Handling (Physical Aspects)**

Keep away from heat, sparks and flames.

#### Storage

Store in a well-ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations.

## **8 Exposure Controls**

#### **Engineering Controls**

Use only with adequate ventilation. Keep container tightly closed.

#### **Personal Protective Equipment**

#### **Eye/Face Protection**

Wear coverall chemical splash goggles or safety glasses.

#### Respirators

Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### **Protective Clothing**

Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, hood and jacket.

Oil Red B4Liquid Dye Revised 01/28/02

Page 3 of 7 Octol Starreon LLC

#### **Exposure Limits**

Xy	ما	n	٥.
<i>^</i>	•		<b>C</b> .

PEL(OSHA)	100 ppm, 435 ,mg/m³, 8 HR TWA
TLV(ACGIH)	100 ppm, 434 mg/m³, 8 hr TWA
* - · · · · · · · · · · · · · · · · · ·	STEL 150 ppm, 651 mg/m <sup>3</sup> , A4
AEL* (Octel Starreon)	100 ppm, 8 & 12 hr, TWA, skin
,	150 ppm, 15 minute TWA

#### Ethylbenzene:

PEL(OSHA)	$100 \text{ ppm}$ , $435 \text{ mg/m}^3$ , $8 \text{ hr}$ , TWA
PEL(OSHA)TLV(ACGIH)	100 ppm, 434 mg/m <sup>3</sup> , 8 hr, TWA
	STEL 125 ppm, 543 mg/m <sup>3</sup>
AEL* (Octel Starreon)	None established

Aniline:	
PEL(OSHA)	5 ppm, 19 mg/m <sup>3</sup> , 8 hr. TWA, Skin
, .	(and Homologues)2 ppm, 7.6 mg/m³, 8 hr. TWA, Skin, A3
TLV(ACGIH)	
, ,	(and Homologues)
AEL* (Octel Starreon)	

#### O-Toluidine:

iaiaiiio.	
PEL(OSHA)	., 5 ppm., 22 ma/m <sup>3</sup> , 8 hr. TWA, Skin
TLV (ACGIH)	2 ppm. 8.8 mg/m <sup>3</sup> , 8 hr. TWA, Skin, A3
AEL* (Octel Starreon)	

The "skin" notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposure should be considered

## 9 Physical and Chemical Properties

#### **Physical Data**

Appearance	Dark Red
Form	Liquid
Odor	Aromatic Hydrocarbon
Specific Gravity	0.97 @ 60/60°F (16/16°C)
Solubility in water	negligible
Boiling Point	IBP 137°C (279°F) @ 760 mm Hg
Vapor Pressure	5.1 mm Hg @ 20°C (68°F)
Vapor Density	. 3.6 (Air = 1)
% Volatile	.~33 Wt%
Evaporation Rate	. 9.5 (ether = 1)

Oil Red B4Llquid Dye Revised 01/28/02 Page 4 of 7

<sup>\*</sup> AEL is Octel Starreon's acceptable exposure limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

## 10 Stability and Reactivity

#### **Chemical Stability**

Stable at normal temperatures and storage conditions.

#### Incompatibility

Incompatible with oxidizing agents.

#### Decomposition

Hazardous gases/vapors produced are nitrogen oxides and carbon monoxide.

#### **Polymerization**

Will not occur.

#### 11 Toxicological Information

#### **Animal Data**

#### Xylene (mixed isomers):

Inhalation 4 hour LC50	6,700 ppm in rats
Skin absorption LD50	
Oral ALD.	

#### Oil Red B4 Liquid Dye:

Oral LD50:	>20.8 mg/kg in rats
Skin Absorption LD50	>10.2 mg/kg in rabbits

The product ingredients are moderate to severe skin and eye irritants in animals. Animal effects attributed to xylene include narcosis caused by skin absorption. Toxicity described for xylene from exposure by inhalation include upper respiratory irritation; central nervous system and behavioral effects; decreased weight gain; hearing loss; and effects on the liver, kidneys, heart, spleen, lungs, bone marrow, and blood. Central nervous system effects; decreased body weights; and liver effects were seen in animals exposed by ingestion to xylene. Tests on xylene in animals demonstrate no carcinogenic activity. While one dye component did produce genetic damage in bacterial cell cultures, xylene does not produce heritable genetic damage in animals or genetic damage in bacterial or mammalian cell cultures. Although abnormal sperm were observed after an intraperitoneal injection in rats, xylene did not produce reproductive effects; developmental toxicity were observed but only at concentrations that were maternally toxic.

## 12 Ecological Information

#### Oil Red B Liquid:

96 hour TLM50: >10 mg/L - fresh water mummichog fish

#### Xylene:

96 hour LC50, fathead minnow: 27-42 mg/L

Oil Red B4Liquid Dye Revised 01/28/02 Page 5 of 7 Octel Starreon LLC

## 13 Disposal Considerations

#### **Waste Disposal**

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

## 14 Shipping Information

#### DOT

Proper Shipping Name	Xylene Solution
Hazard Class	
I.D. No. (UN/NA)	UN 1307
Packing Group	III
DOT Label(s)	Flammable Liquid

#### IMO

Proper Shipping Name	Xylene 32% Solution
Hazard Class	
I.D. No. (UN)	UN 1307
Packing Group	111
Special Information	Flash Point: >28°C
IMO Label	Flammable Liquid

#### **Shipping Containers**

Steel Drums UN1A1/Y/100

## 15 US Federal Regulations

TSCA Inventory Status ......Reported / Included

## 16 Other Information

#### **NPCA-HMIS Rating**

Personal Protection rating to be supplied by user depending on uses conditions

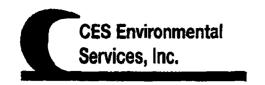
Oil Red B4Liquid Dye Revised 01/28/02 Page 6 of 7 Octel Starreon LLC The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

**Responsibility for MSDS:** 

Ann Marie Williams Octel Starreon LLC Newark, DE 19702 (800) 441-9547 or (302) 451-1362

Oil Red B4Liquid Dye Revised 01/28/02

Page 7 of 7 Octel Starreon LLC



CES Waste Approval #: HOU-1638

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Waste Profile Re-Certification Form**

Goodman Manufactu	ring (Furnace Plant)
Goodman Manufactu	ring (Furnace Plant)
Oil Contaminated Cla	y Absorbent
6/21/2008	
The purpose of this form is forementioned waste stream (61.3).  that the components in the after the same as when issued the after the components in the after the same as when issued the after the components.	rvices, Inc. requires recertification of all approved waste to confirm that no changes have been made in the and that the waste stream remains classified as non-forementioned waste stream and the process generating forementioned CES Waste Approval Number: (Check Analysis is NOT required for recertification.  The following analysis is required for recertification.  Please sumbit results of the following tests.  TCLP Metals  TCLP Volatiles  TCLP Semi-volatiles  Reactivity  Corrosivity  Ignitability  TCLP Benzene
	Goodman Manufactur Oil Contaminated Cla 6/21/2008  clan, CES Environmental Ser The purpose of this form is forementioned waste stream 61.3.  that the components in the at the same as when issued the at ertify.  as waste stream  If  Ufacturary Freeness Plane  Line

## Laboratory Analysis Report

Total Number of Pages:

Job ID: 08090435



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name : Goodman Furnace, 12th Street

Report To:

Client Name:

**CES Environmental** 

Dan Bowman

4904 Grigas Rd

Client Address: 4904 Grig City, State, Zip: Houston,

Houston, Texas, 77021

P.O.#.: 0908-43

Sample Collected By: Durim T.

Date Collected: 09/23/08

A&B Labs has analyzed the following samples...

Attn:

Client Sample ID

Matrix

A&B Sample ID

0908-43 Asbsorbant Oil

Soil

08090435.01

Sonia West

Released By: Sonia West

Title:

Senior Project Manager

Date:

9/26/2008



This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009 Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client

Date Received: 09/23/2008 08:45

#### LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID: 08090435

Date:

9/26/2008

#### **General Term Definition**

Back-Wt

Back Weight

BRL

Below Reporting Limit

cfu

colony-forming units

Conc. D.F.

Concentration Dilution Factor

Front-Wt

Front Weight

LCS

Laboratory Check Standard

LCSD

Laboratory Check Standard Duplicate

Matrix Spike

MS MSD

Matrix Spike Duplicate

MW

Molecular Weight

Post-Wt ppm

Post Weight parts per million

Pre-Wt

Previous Weight

Qualifier

RegLimit RPD

**RptLimit** 

surr

Regulatory Limit Relative Percent Difference

Reporting Limit

Surrogate Time

TNTC

Too numerous to count

Qualifier Definition

B2

Target analyte detected in method blank at or above the MDL but below the MQL.

#### LABORATORY TEST RESULTS

Job ID: 08090435

Date 9/26/2008

Client Name:

**CES Environmental** 

Attn: Dan Bowman

Project Name:

Goodman Furnace, 12th Street

Client Sample ID: 0908-43 Asbsorbant Oil

Job Sample ID:

08090435.01

Date Collected: Time Collected:

09/23/08 08:30

Sample Matrix

Soil

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	Total Metals								
	Arsenic	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Barium	396	mg/Kg	1	0.5		B2	09/24/08 16:07	PGm
	Cadmium	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Chromium	5.54	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Lead	9.79	mg/ <b>K</b> g	1	0.5			09/24/08 16:07	PGm
	Selenium	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
	Silver	BRL	mg/Kg	1	0.5			09/24/08 16:07	PGm
SW-846 7470A	Total Metals - Mercury								
	Mercury	BRL	mg/ <b>K</b> g	1	0.01			09/23/08 14:26	TK
SW-846 8021B	TCLP BTEX & MTBE								
	Benzene	BRL	mg/L	1	0.002	0.5		09/24/08 15:35	HK
	Trifluorotoluene(surr)	91	%	1	75-125			09/24/08 15:35	HK

#### QUALITY CONTROL CERTIFICATE



**Job ID:** 08090435

Date:

9/26/2008

Analysis: Total Metals - Mercury

Method:

SW-846 7470A

Reporting Units: mg/Kg

**QC Batch ID**: Qb08092318

Created Date: 09/23/08

Created By: Tkhuc

Samples in This QC Batch: 08090435.01

Digestion:

PB08092313

Prep Method: SW-846 7470A

**Prep Date:** 09/23/08 12:30 **Prep By:** 

Tkhuc

QC 1	ype:	Method	Blank
------	------	--------	-------

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Mercury	7439-97-6	BRL	mg/Kg	1	0.01	

$\sim$	Type:	ICS	and	LCSD
v	i vbe:	LC2	anu	LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
įrai ai netei	Spk Added	Kesuit	70 NeC	Spk Added	Nesult	30 KCC	KEU	Cultimi	CUILITIIC	Quai
Mercury	0.1	0.0932	93.2	0.1	0.0949	94.9	1.81	20	80-120	

QC	Type:	MS	and	MSD

QC Sample ID:	08090407.02										
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Oual
raianietei	Nesuit	Spk Added	Nesuit	70 1/400	JPK Added	Nesuit	70 INCC	NID	CGILITIE	Cultillia	Quai
Mercury	BRL	0.1	0.0841	83.8						70-130	

#### QUALITY CONTROL CERTIFICATE



**Job ID:** 08090435

Date:

9/26/2008

Analysis: Total Metals

Method:

SW-846 6010C

Reporting Units:

mg/Kg

**QC Batch ID**: Qb08092438

Digestion :

Samples in This QC Batch: 08090435.01

Created Date: 09/24/08

Created By: Pguirguis

PB08092424

Prep Method: SW-846 3050B

Prep Date: 09/24/08 15:00 Prep By:

Pguirguis

QC Type: Method B	llank					
Parameter	CAS #	Result	Units	D.F.	RptLimit	Qı
Arsenic	7440-38-2	BRL	mg/Kg	1	0.5	
Barium	7440-39-3	0.103	mg/Kg	1	0.5	B2
Cadmium	7440-43-9	BRL	mg/Kg	1	0.5	
Chromium	7440-47-3	BRL	mg/Kg	1	0.5	
Lead	7439-92-1	BRL	mg/Kg	1	0.5	
Selenium	7782-49-2	BRL	mg/Kg	1	0.5	1
Silver	7440-22-4	BRL	mg/Kg	1	0.5	

QC Type: LCS and LCS	D									
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	25	26.5	106	25	26.3	105	0.76	20	80-120	
Barium	25	24.9	99.6	25	24.2	96.8	2.85	20	80-120	
Cadmium	25	25.5	102	25	24.6	98.4	3.59	20	80-120	
Chromium	25	25.8	103	25	25.5	102	1.17	20	80-120	
Lead	25	25.3	101	25	25.2	101	0.4	20	80-120	
Selenium	25	24.7	98.8	25	24.7	98.8	0	20	80-120	
Silver	25	25.0	100	25	25.0	100	0	20	80-120	

#### QUALITY CONTROL CERTIFICATE



**Job ID**: 08090435

Date:

9/26/2008

Analysis: TCLP BTEX & MTBE

Method:

SW-846 8021B

Reporting Units:

mg/L

**QC Batch ID**: Qb08092529

Created Date: 09/25/08

Created By : Hkhuc

Samples in This QC Batch: 08090435.01

**Prep Method:** SW-846 1311

**Prep Date:** 09/24/08 12:00 **Prep By:** 

Hkhuc

TCLP Prep:

Sample Preparation: PB08092526 PB08092329

**Prep Method:** SW-846 1311

**Prep Date:** 09/23/08 16:30 **Prep By:** 

Ksudha

QC Type:	Method	Blank
----------	--------	-------

Parameter	CAS #	Result	Units	D.F.	RptLimit	(	Qual
Benzene	71-43-2	BRL	mg/L	1	0.002		

ı	OC Type:	LCS and LCSD
ı	OC IVDE:	LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Benzene	0.02	0.019	95	0.02	0.019	95	0	20	80-120	

QC Type: MS a	ind MSD										
QC Sample ID:	08090435.01										
	Sample	MS	MS	MS	MSD	MSD	MSD		RPD	%Rec	
Parameter	Result	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual
Benzene		0.02	0.022	110						80-120	

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10100 East Fwy (I-10) Stc. 100 Houston, TX 77029 713-453-6060 1-877-478-6060 Toll Free 713-453-6091 Fax	How	tovice GOV,	40; TY	15	.04 201	<u>り</u>	_\A	ompa ddres	i <b>s</b> :	online entire	Phase address No. (1900) progress of the con-			CETO:			3. PC	naround Time (Business Days)
ablabs.com  A&B JOB ID # 1 8 00 4 35  5. Project #	Phone: (7/3) Fax: M. (7/3) E-mail: M. (bow)	1676 1676 naspac	1460	) 76			P	ontac hone ax: □ mail	: i	270,500 270,500		onnarina kune, platija spilo garani rakanska kune kokeni rakanska kune kokeni rakanska kune	et her ver et hette geben som et		n americké fer ogente vogatege agist de anamen ek verk i Stanstillskapitege felder som også and er verk i Stanstillskapitege felder som også and er verk i Stanstillskapitege felder som også and	the rest of the second of the	<b>X</b> (3)	Days* Days* *Surcharge applies Days - Standard
6. Project Name/Location  Goodman Funnace  7. Reporting Requirement:  TRRP Limits only TRRP Rpt. Package See  8. Sampler's Name & Company (PLEASE PRINT)  Durin Tankay CES	( / Z TK Attached O Standard Sampler's Sign	STALE		do-manuscriptoris de		emples on the second of the se		economical de la conomical de	en ja saatti joon geste j	ers	16. PF	eserva I-Lab (	lives* Only					
9. Sample ID and Description	10. San	Time	Comp.	12. Water	Ö	Mar eSpnis		Ŕ	Other	Š	Pregue		3	17 18 18 18 18 18 18 18 18 18 18 18 18 18			/	18. REMARKS
#011 0909-45 ABSOLBANT/01	9/23	8:304									Angele de la companya		etajanensianaksi sangua etajanensianaksi mueta		- Marin Makes (19), ha qafarin ar albana . Ana - Yayan albi da shigilaran qa ar ara ay ana - Anay ana albi da shigilaran qa ar ara ay ana	anning hammandist in state of the state of t	nadderharug a up a g	
												e mega menengan jibu sansal Biran menengan mengangan Biran menengan pengangan		Communication of August 1997 (1997) (				
19. RELINQUISHED BY	DATE	TIME IS	20. RE	CEIVE	ED B								***************************************	DATE	TIME	122	KNC	OWN HAZARDS/COMMENTS
2		8:454	Approximate conditioning on the conditioning of the conditioning of the conditioning of the conditioning of the conditioning of the conditioning of the conditioning of the conditioning of the conditioning of the condition	egyptotty-tagy-egyptota-egy		YLAE	ORA	YOR		**************************************	. C. (1) Tank (1-10 (1-12) y Brank (1-12) (1-12) (1-12) (1-12) (1-12) (1-12) (1-12) (1-12) (1-12) (1-12) (1-12 A C. (1) A C. (1-12) (		1		8:45		econsideramentoroses con	ature: 243_°C
**Containers: VOA - 40 ml vial A/G - Amb  4 oz/8 oz - glass wide mouth P/O - Plas  METHOD OF SHIPMENT	per/Glass 1 Liter stic/other		'Prose	rvalive	8: C	- Cool H - NaC	)H	H - T -	HCI Na,S,	<u>,</u> ,0,		HNO, Other		3-H,SO,		inti	Plea	A&B cannot accept verbal changes se FAX written changes to 713-453-6091
LAB USE ONLY SAMPLING	RENTAL	P/(	J				NA COLOR EXCEY	gagagiti kilikumia	lither diversals well	<b>Marani</b> no	nero emprocentante.	eleci (izml) zanowa e	***************************************	···				imples will be disposed of after 30 days &B reserves the right to return samples

## **Sample Condition Checklist**



Date: 09/26/08

A&B	JobID :	0809043	35	Da	ate Receive	d: <b>09/</b>	23/2008		Time	Received :	8:45AM		
Clier	it Name :	CES Env	ironme	ntal									
Tem	perature :	26.3°C		Sa	imple pH:	N/A	<u> </u>				<u> </u>		
					С	heck Po	ints					Yes	No
1.	Cooler sea	al present a	nd signe	ed.					· · · · · · · · · · · · · · · · · · ·			N/A	<u> </u>
2.	Sample(s)	in a coole	r.										Х
3.	If yes, ice	in cooler.											Х
4.	Sample(s)	received v	vith chai	n-of-custo	dy.							Х	
5.	C-O-C sig	ned and dat	ted.									Х	
6.	Sample(s)	received v	vith sign	ed sample	custody se	al.						N/A	
7.	Sample co	ntainers a	rrived int	act. (If no	comment).							Х	
8.	Matrix :	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Oth	er
<u>.                                    </u>			<u> </u>										
9.	Sample(s)	were rece	ived in a	ppropriate	container(	s).						X	
10.	Sample(s)	were rece	ived witl	ı proper pı	eservative				·				
11.	All sample	s were log	ged or la	beled.								X	
12.	Sample ID	labeis ma	tch C-O-	C ID's							·	Х	
13.	Bottle cou	nt on C-O-	C matche	s bottles 1	found.							Х	
14.	Sample vo	lume is sut	fficient f	or analyse:	s requested	•						X	
15.	Samples v	vere receiv	ed within	the hold	time.							Х	
16.	VOA vials	completely	filled.			·····						N/A	
17.	Sample ac	cepted.										X	
					discrepanci	es/probl	em:						
Sampl	e was receiv	ed without a	cooler no	or ice.									
								-					
Rece	eived by :	Mperalta					Check in	by/date:	Mperalta	/ 09/23/200	18		
······				<del>,</del>					· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
	: 713-453-	6060						<del></del>			www.ablabs	com	

Page 8 of 8

L. Olive



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## **Waste Pre-Acceptance/Approval Letter**

Date 5/23/2008

Dear Robbie Preston

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1636

Expiration Date 6/21/2008

Generator: Commercial Metals

Address: 2015 Quitman

Houston, TX 77026

Waste Information

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** Mill coolant and water from machine shop operations

Color: white/green

Odor: none

**pH:** 4-10

**Physical State:** 

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Generator I	<u>nformati</u>	<u>on</u>										
Company:	Commercia	l Metals											
Address:	2015 Quitn	nan											
City:	Houston				State:	TX		Zip:			77026		
Contact:	George Roo	ot				Title:							
Phone Num	ber:	713.22	8.7411			 Fax Numb	er:						
24/hr Phone	e Number:					_							
US EPA ID N	o:	TXCESC	(G										
State ID No:		CESQG				SIC Code:		na					
						<del></del>							
SECTION 2:	<b>Billing Infor</b>	mation -		Same as	<u>Above</u>								
Company:	Preston Env	/ironmen	tal										
Address:	10100 Chap	el Hill dr	ive										
City:	Denham Sp	rings			State:	LA		Zip:			70727		
Contact:	Robby Mers	siovsky			-	Title:					-		
Phone Num	ber:	713.88	2.7740			Fax Numb	er:	225.664.8655					
						_					_		
<b>SECTION 3:</b>	General Des	cription	of the Wa	<u>iste</u>									
Name of Wa	aste:	Oily Wa	ter										
Detailed De	scription of	Process G	eneratin	g Waste:	<u> </u>	-					-		
Mill coolant	and water fr	om mchi	ne shop o	peration:	S				•				
			-										
Physical Sta	te: 🗹	Liquid			Sludge	[		Powder					
		Solid			Filter Cake	e [		Combination					
Color:	white/gree	1			_	Odor:		none					
											_		
Specific Gra	vity (water=	1):				<u>t</u>		Density:	8	lbs/g	al		
Does this ma	aterial conta	in any to	tal pheno	olic comp	ounds?		Yes	✓ No					
Does this ma	aterial conta	in any pa	ara substi	tuted ph	enolic com	pounds?		Yes	4	No			
Is the Waste	subject to t	he benze	ne waste	operatio	n NESHAP?	? (40 CFR Pa	rt 6	1, Subpart FF)			Yes	<b>✓</b>	No
Answer "Yes	" if your was	ste contai	ns benzer	ne <b>AND</b> if	the SIC cod	de from you	r fac	cility is one of the	e followi	ng:			
2812	2813	3	2816	2819	2821	1 2	822	2823	2824		2833		2834
2835	2836	5	2841	2842	2843	3 2	844	2851	2861		2865		2869
2873	2874	1	2876	2879	2891	1 2	892	2893	2896		2899		2911
3312	4953	3	4959	9511									
Layers:	☐ Sin <sub>i</sub>	gle-phase		_	i-phase								
Container Ty	уре:	Drum	□ То	te 🔽	Truck [	Other (exp	olair	n)					
Frequency: Quantity:	☐ Weekly	□ Мо	nthly 🔽	Yearly 4		ime							

		us Waste" per Il out the UHC		3?	☐ Ye	s [s	/ No		
	ic for Toxic N		☐ D004 ☐ D010	D01 □	5 🗍 D00	☐ D003 (Re 6 ☐ D00		□ D009	•
Characterist	cic for Toxic (	Organics: D012	thru <b>D043</b> (	please list a	all that apply)				
		d waste or mix st ALL applicab		e?	Ye	s [	☑ No	·	•
40 CFR 261.	33(e) or (f)?	luct or spill cle	_ \ \		<b>a "U" or "P" w</b> No	aste code ι	ınder ————		-
Texas State	Waste Code	Number:		Recycle			_		
Proper US D	OT Shipping	Name:	Non RCRA	Non DOT re	gulated materi	al			
Class:	na	UN/NA:	na	PG:	na	RQ:	na		-
Flash	Point	pl	н	React	tive Sulfides	Reactiv	e Cyanides	Sol	ids
>2	200	4-:	10	0	mg/l	0	mg/i	1-5	%
Oil &	Grease	TC	C		Zinc	C	opper	Nic	kel
>1500	mg/l	na	mg/l	0	<u>mg/l</u>	0	mg/l	0	mg/l
SECTION 4:	Physical and	Chemical Data					-		
	CON	IPONENTS TA	BLE		I	CONCEN	ITRATOIN		UNITS
Th	e waste cons	ists of the follo	wing materi	als		Ranges are	acceptable		or %
		Mill coolant		-			5		%
		mainatam			ı		) F		0/

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Mill coolant	5	%
rainwater	95	%

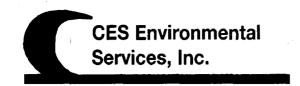
SECTION 5: Safety Rel	ated Data
If the handling of this v	waste requires the use of special protective equipment, please explain.
none	
•	Supporting Documents
	es, data and/or analysis attached to this form as part of the waste
approval package.	none
<del></del>	
SECTION 7: Incompati	hilities
Please list ALL incompa	
None Known	tibilities (ii diry).
None Known	
····	
SECTION 8: Generator	's Knowledge Documentation
	the hazardous waste characteristics, listed below, WAS NOT PERFORMED
	ng generator knowledge:
•	
TCLP Metals:	x
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	Х
Ignitability:	X
SECTION 9: Generator	<del></del>
	ained herein is based on 🔲 generator knowledge and/or 🔲 analytical data.
I hereby certify that th	ne above and attached description is complete and accurate to the best of
my knowledge and ab	ility to determine that no deliberate or willful omissions of compostion
	nat all known or suspected hazards have been disclosed. I certify that the
materials tested are re	epresentative of all materials described by this document.
Aughteria de la C	1 Land brownstor of all
Authorized Signature:	AS 10 FW   DV VIII Date: 5/12/08
Drintad Nama/Titla	Coloret MERSIONS KY
Printed Name/Title:	LODGICA MAISTONS EN
CESTISE ONLY (DO NO	T WRITE IN THIS SPACE)
CES OSE ONET (DO NO	I WINITE IN THIS SYACE)
Compliance Officer:	
Date:	☐ Approved ☐ Rejected
Approval Number:	
Approval (valide):	·

SECTION 10:	Waste Receipt Classification Under 40 CFR 437				
	Is this material a wastewater or wastewater sludge?		YES	1	NO
	If 'Yes', complete this section.				
	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO T	О ТНЕ	NEXT P	AGE.	
Metals Subco	<u>rtegory</u> : Subpart A				
<u></u>	Spent electroplating baths and/or sludges				
<u>L</u>	Metal finishing rinse water and sludges				
	Chromate wastes				
	Air pollution control blow down water and sludges				
_	Spent anodizing solutions				
	Incineration wastewaters				
	Waste liquid mercury				
	Cyanide-containing wastes greater than 136 mg/l				
	Waste acids and bases with or without metals				
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosphilic properties of the control of the contro	hatinر	g operat	ions	
<u> </u>	Vibratory deburring wastewater				
L_	Alkaline and acid solutions used to clean metal parts or equipment				
Oile Subcator	nory: Subpart B				
	Used oils				
	Oil-water emulsions or mixtures				
	Lubricants				
	Coolants				
	Contaminated groundwater clean-up from petroleum sources				
	Used petroleum products				
	Oil spill clean-up				
	Bilge water				
	Rinse/wash waters from petroleum sources				
	Interceptor wastes				
	Off-specification fuels				
	Underground storage remediation waste				
	Tank clean-out from petroleum or oily sources				
	Non-contact used glycols				
	Aqueous and oil mixtures from parts cleaning operations				
L	Wastewater from oil bearing paint washes				
Organics Sub	category : Subpart C				
	Landfill leachate				
	Contaminated groundwater clean-up from non-petroleum sources				
_	Solvent-bearing wastes				
_	Off-specification organic product				
	Still bottoms				
=	Byproduct waste glycol				
	Wastewater from paint washes				
_	Wastewater from adhesives and/or epoxies formulation				
-	Wastewater from organic chemical product operations				
_	Tank clean-out from organic, non-petroleum sources				

(1)	
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	
	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	Oils Subcategory
	☐ Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



## Waste Pre-Acceptance/Approval Letter

Date 6/21/2006

Dear George Root

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1636

Generator: Commercial Metals

Address: 2015 Quitman

Houston, TX 77026

Waste Information

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** Mill coolant and water from machine shop operations

Color: white/green

Odor: none

**pH:** 4-10

**Physical State:** 

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

**SECTION 1:** Generator Information Company: Address: City, State, Zip: **Contact:** Title: GEORGE Phone No: 713-228-741 24/hr Phone: U.S. EPA I.D. No: H CESQG SIC Code: State I.D. GE 506 **SECTION 2:** Billing Information – Same as Above ENVICONMENTA Company: SELECT Address: City, State, Zip: Contact: Title: Phone No: Fax No: **SECTION 3:** General Description of the Waste Name of Waste: Oily Water Detailed Description of Process Generating Waste: Mill coolant & HzO from Machine Shop operations **Physical State:** Liquid ☐ Sludge Powder ☐ Solid ☐ Filter Cake ☐ Combination Odor: NONE Density: 8 lbs/gal Specific Gravity (water=1): \_ Multi-phase ☐ Single-phase Layers: **Container Type:** Drum Tote Truck Other (explain) 6000gal. **Container Size:** Weekly Monthly Quarterly Yearly Frequency: Number of Units (containers): 2-4 Other: **Texas State Waste Code No:** Proper U.S. DOT Shipping Name: KEGULATE NOT DOT UN/NA: RQ: Reactive Sulfides Flash Point **Reactive Cyanides Solids** 4-10  $U_{\text{mg/l}}$ 7 200 () mg/l Oil&Grease Zinc Nickel TOC Copper

(^)\_mg/l

7150355 mg/1

mg/l

## **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Mill Coolant,	5 %	
Water - (lain)	95%	_

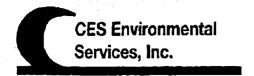
The waste consists of the following materials	Ranges are acceptable	or %
Mill Coolant.	5 %	
Water - (la:n)	95%	
	p	
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protective equipmen	t, please explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this form as part	of the waste approval packag	ge.
SECTION 7: Incompatibilities		•
Please list all incompatibilities (if any):		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, listed below, W. generator knowledge:	AS NOT PERFORMED based	d upon the following
TCLP Metals:  TCLP Volatiles:  TCLP Semi-Volatiles:  Reactivity:  Corrosivity:  Ignitability:		
SECTION 9: Generator's Certification		
The information contained herein is based on generator knowledge and/or attached description is complete and accurate to the best of my knowledge at omissions of composition properties exist and that all known or suspected haze tested are representative of all materials described by this document.  Authorized Signature:  Authorized Signature:	and ability to determine that n	o deliberate or willful
Printed Name/Title: Pobert MERSIONS Key	•	
Timed Name Time. 10000 1 Miles 1013 Feb.		
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	·	
o Al	Information:	
Date: 6-21-06 Approved Rejected	REC	
Approval Number: 1636		

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437	
Is	his material a wastewater or wastewater sludge?   YES  NO	
If	Yes', complete this section.	
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAG	E.
<u>Meta</u>	ls Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment	
Oils .	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
<u>Orga</u>	nics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation	
$\exists$	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Cadm	ium: 0.2 mg/L
	Chron	nium: 8.9 mg/L
	Coppe	er: 4.9 mg/L
	Nicke	l: 37.5 mg/L
	Paris .	· · · · · · · · · · · · · · · · · · ·
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1450 Fax. (713) 676-1676

$\mathbf{W}$	aste Profi	le Re-Certification Form
CES Waste Approval #:	<u>1636</u>	
Customer:	Preston Envi	<u>ronmental</u>
Waste Generator:	Commercial	<u>Metals</u>
Waste Stream Name:	Oily Water	
Expiration Date:	6/21/2008	
	e same as when iss	is in the aforementioned waste stream and the process generating sued the aforementioned CES Waste Approval Number: (Check Analysis is NOT required for recertification.
Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.
Customer Name Signature Company / Title  728 08 Date	sking s robut to year Metals	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability

L'am

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 5/23/2008

Dear Robbie Preston

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1635

Expiration Date 6/21/2007

**Generator:** Boring Specialties **Address:** 14730 Yarberry

Houston, TX 77039

**Waste Information** 

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Mill coolant, used oil, and rainwater from pipe threading operations

Color: grey

Odor: none

**pH:** 4-10

**Physical State:** 

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Genera	tor In	<u>formation</u>									
Company:	Boring :	Speci	alties									
Address:	14730	rber	ry									
City:	Housto	n		S	tate:	TX		_Zip:		77039		
Contact:	Keith C	rouch	<u> </u>			Title:		Purchasing			-	
Phone Num	ıber:		281.449.0319			_Fax Numbe	er:	_				
24/hr Phon	e Numbe	er:				_						
US EPA ID N	lo:		TXCESQG	_								
State ID No	:		CESQG	_		_SIC Code:		NA				
SECTION 2:	Rilling Is	nforn	nation - S	ame as Ab	ove							
Company:			ronmental	arrie as Ab	OVE							
Address:			el Hill drive							_		
City:	Denhan	n Spri	ings	St	tate:	LA		Zip:		70727		
Contact:	Robby N			<del></del>		Title:		- · <u> </u>		<del></del> -		
Phone Num	ber:		713.882.7740			_ _Fax Numbe	er:	225.664.8655				
										-		
SECTION 3:	General	Desc	ription of the Was	<u>te</u>								
Name of Wa	aste.		Oily water									
		of P	rocess Generating	Waste:								
			rainwater form pi		ng operat	tions				<del></del> -		
	<u> </u>	,			<u> </u>							
Physical Sta	ıta.	<b>7</b>	Liquid		udge		_	Powder				
Physical Sta	ite:		Solid		uage Iter Cake	<u>.</u> • Γ	╡	Combination				
				··	June							
Color:	Gray					Odor:		none				
Specific Gra	vity (wa	ter=1	):		1	<u>-</u>		Density: 7.8	1-8.3 lb	s/gal		
Does this m	aterial c	ontai	n any total phenol	ic compou	nds?	□ v	es/	√ No		*		
	accitat o		y total pilelio.	.e compou		ъ.						
Does this m	aterial c	ontai	n any para substiti	ited pheno	olic comp	ounds?		Yes	✓ N	o		
									_			
	-		e benzene waste o	-		-			[	Yes	<b>✓</b>	No
	-		e contains benzene			•		•		_		
2812	_	2813	2816	2819	2821		322		2824	2833		83
2835		2836	2841	2842	2843		344		2861	2865		86
2873		2874	2876	2879	2891	. 28	392	2893	2896	2899	2	91
3312	2	1953	4959	9511								
Layers:		Singl	e-phase	Multi-pl	nase							
•		J.										
Container T	уре:		Drum 🔲 Tote	e 🗸 Tr	uck	Other (exp	lain	1)				
			_									
	☐ We	ekly	☐ Monthly ☑	•	One-Ti	ime						
Quantity:				4								

If "Yes", then please fill out the UHC Form	
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive)  Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D000  D010 D011  Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)	0009
Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:	
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under  40 CFR 261.33(e) or (f)?	<del></del>
Texas State Waste Code Number: Recycle	
Proper US DOT Shipping Name:     Non- RCRA non DOT regualted material       Class:     na     UN/NA:     na     PG:     na     RQ:     na	
Flash Point pH Reactive Sulfides Reactive Cyanides	Solids
>200   4-10   0   mg/l   0   mg/l   1-5   Oil & Grease   TOC   Zinc   Copper	% % Nickel
Oil & Grease         TOC         Zinc         Copper           >1500         mg/l         na         mg/l         0         mg/l         0         mg/l         0	mg/l

**SECTION 4:** Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Mill coolant	5	%
Used Oil	5	%
rainwater	90	%
- The state of the		
	<u></u>	
· · · · · · · · · · · · · · · · · · ·		
	the state of the s	

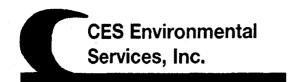
SECTION 3. Safety Kei-	
If the handling of this v	vaste requires the use of special protective equipment, please explain.
none	
······································	
SECTION 6: Attached 9	Supporting Documents
	es, data and/or analysis attached to this form as part of the waste
approval package.	ss, data and/or analysis attached to this form as part of the waste
· · · · · · · ·	
none	
· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·
SECTION 7: Incompati	
Please list ALL incompa	tibilities (if any):
None Known	<u> </u>
SECTION 8: Generator	's Knowledge Documentation
Laboratory analysis of t	the hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the followi	ng generator knowledge:
TCLP Metals:	$oldsymbol{x}$
TCLP Volatiles:	
	X
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	X
Ignitability:	X
SECTION 9: Generator	's Certification
The information conta	ained herein is based on 🔝 generator knowledge and/or 🔲 analytical data.
	he above and attached description is complete and accurate to the best of
my knowledge and ab	ility to determine that no deliberate or willful omissions of compostion
properties exist and t	hat all known or suspected hazards have been disclosed. I certify that the
materials tested are r	epresentative of all materials described by this document.
<b>Authorized Signature</b>	: 4 AS AGGNT FOR REMONATION Date: 5/12/08
Printed Name/Title:	Kobont MERSINGE.
	10000 1 10000
CESTISE ONLY (DO NO	OT WRITE IN THIS SPACE)
CES OSE ONLT (DO NO	TO VALLET TO THE STACE!
0	
Compliance Officer:	
Date:	Approved Rejected
Approval Number:	and the second s
1	

SECTION 10: Waste Receipt Classification Under 40 CFR 437		
Is this material a wastewater or wastewater sludge?	☐ YES	□ NO
If 'Yes', complete this section.		
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGOR	r, GO TO THE NEXT	PAGE.
Metals Subcategory: Subpart A		
Spent electroplating baths and/or sludges		
☐ Metal finishing rinse water and sludges		
Chromate wastes		
Air pollution control blow down water and sludges		
☐ Spent anodizing solutions		
Incineration wastewaters		
Waste liquid mercury		
Cyanide-containing wastes greater than 136 mg/l		
Waste acids and bases with or without metals		
Cleaning, rinsing, and surface preparation solutions from electroplating o	r phosphating oper	ations
☐ Vibratory deburring wastewater		
Alkaline and acid solutions used to clean metal parts or equipment		
Oils Subcategory: Subpart B		
Used oils Oil-water emulsions or mixtures		
Lubricants		
Coolants		
Contaminated groundwater clean-up from petroleum sources		
Used petroleum products		
Oil spill clean-up		
Bilge water		
Rinse/wash waters from petroleum sources		
Interceptor wastes		
Off-specification fuels		
Underground storage remediation waste		
Tank clean-out from petroleum or oily sources		
Non-contact used glycols		
Aqueous and oil mixtures from parts cleaning operations		
☐ Wastewater from oil bearing paint washes		
Organics Subcategory: Subpart C		
Landfill leachate		
Contaminated groundwater clean-up from non-petroleum sources		
Solvent-bearing wastes		
Off-specification organic product		
Still bottoms		
Byproduct waste glycol		
Wastewater from paint washes		
Wastewater from adhesives and/or epoxies formulation		
Wastewater from organic chemical product operations		
☐ Tank clean-out from organic, non-petroleum sources		

(1)	
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	
	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcategory
	Oils Subcategory
	Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# Waste Pre-Acceptance/Approval Letter

Date 6/21/2006

Dear Keith Crouch

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1635

**Generator:** Boring Specialties **Address:** 14730 Yarberry

Houston, TX 77039

**Waste Information** 

Name of Waste: Oily Water TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Mill coolant, used oil, and rainwater from pipe threading operations

Color: grey

Odor: none

**pH:** 4-10

**Physical State:** 

Incompatibilities: na

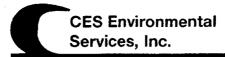
Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900 \_

SECTION 1: Gener	ator Information	R Ma Carri	Desc		
Company: Address:		Boring Special			
City, State, Zip:	3	14730 Yaibers touston 178.	77039		
Cny, State, Zip: Contact:	Keith (r	euch : IX.	Title:	Purchasing	
Phone No:	281-AAd -	0319	Fax No:	1.01 CALKZING	
24/hr Phone:	2.011 7.77 -	COLL			
U.S. EPA I.D. No: 77	CESAG				
State I.D.	CESOC		SIC Code:	NA	
SECTION 2: Billing	Information –	Same as Above			
Company:	Select EN	vironMENTAL			
Address:	723 Mc(A				
City, State, Zip:	Houston,	17 77029		· · · · · · · · · · · · · · · · · · ·	
	Robby MERS		SALES K	<u> </u>	
Phone No:	<u>713-662-77</u>	Fax No:	713-67	2:4530	
SECTION 3: Gener	al Description of th	e Waste			
					<i>i</i> .
Name of Waste:	Jily WATE	di da d	1	I concurated from DiDe th	readi
Detailed Description	of Process Genera	ting Waste: Mill ('och A	NT, USED U	operations.	
Physical State:	Liquid	☐ Sludge	Powder	operations.	
	☐ Solid	Filter Cake	Combination		
Color: Colo		Odor: NONE			
., ,		_			
Specific Gravity (wa	ter=1):	Density: $\frac{7.8 - 2.3}{\text{lbs/gal}}$			
Layers:	Single-phase	Multi-phase			
Container Type:	☐ Drum	☐ Tote [	Truck	Other (explain)	
Container Size:			6000	other (explain)	
Container Size.			4/40		
<b>10</b>	· 🗆				
Frequency:	☐ Weekly	Monthly [	Quarterly		
Number of Units (con		Other:			
Texas State Waste C	ode No:	CESCE / Not	Applicable	1 Recyclaste	
Proper U.S. DOT Sh	ipping Name:	· · · · · · · · · · · · · · · · · · ·	CEGULATE	1 [	
Class: NI	IA UN/N		B.O.	PO: 4	
		— N 107	·	NIIT NE. NIY	<del></del> .
Flash Point	pH	Reactive Sulfides	Reactive C	yanides Solids	
Flash Point 200 F	4-10	mg/l	mg/	·	
Oil&Grease	TOC	Zinc	Copper	Nickel	
L' C.67	Alien	1 200	1 ~ ~ ~	0	

## **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Mill Crotant	5%	
USED DILS	50/0	
Rain Water	90%	
* 1		
	-	

The waste consists of the following materials	Ranges are acceptable	or %
Mill Crolant	5%	
USED DILS	50/0	
Rain Water	90%	
		شسيبير
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protective equipm	nent, please explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this form as I	part of the waste approval packa	ge.
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):/	·	
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, listed below, generator knowledge:	WAS NOT PERFORMED base	d upon the following
TCLP Metals: TCLP Volatiles:  TCLP Semi-Volatiles:  Reactivity: Corrosivity:  Ignitability:		
SECTION 9: Generator's Certification		
The information contained herein is based on  generator knowledge and/attached description is complete and accurate to the best of my knowledge omissions of composition properties exist and that all known or suspected tested are representative of all materials described by this document.	ge and ability to determine that r hazards have been disclosed. I co	no deliberate or willful ertify that the materials
Authorized Signature: AS AGENT TO S GENE	RATOR Date: 6/21/06	
Printed Name/Title: Kobert HERSidsky		
CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer: Lobbah Chana Additio	nal Information:	
	DEA	
Date: 6-21-06 Approved Rejected		
Approval Number 1/3		

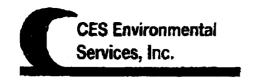
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robban Rlagea	Additional Information:
Date: 6-21-06 Approved Rejected	REC
Approval Number: 1635	

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
ls	this material a wastewater or wastewater sludge?   YES  NO
lf	Yes', complete this section.
Pl	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nnics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Talk clean out from organic, non petroleum sources

(1)	II the V	waste contains on and grease at or in excess of 100 mg/L, the waste should be classified in the ons subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



CES Waste Approval #: -1635

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Waste Profile Re-Certification Form**

Customer:	Preston Environ	mental
Waste Generator:	Boring Specialti	es
Waste Stream Name:	Oily Water	$\checkmark$
Expiration Date:	6/21/2007	
profiles on an annual basis. generation process of the afe hazardous as per 40 CFR 26 Generator hereby certifies the	The purpose of this forementioned waste sit.3.  that the components in a same as when issued tify.	tal Services, Inc. requires recertification of all approved wasteform is to confirm that no changes have been made in the stream and that the waste stream remains classified as non- in the aforementioned waste stream and the process generating is the aforementioned CES Waste Approval Number: (Check  Analysis is NOT required for recertification.  The following analysis is required for recertification.  Please sumbit results of the following tests.  TCLP Metals TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity Ignitability

# Antimicrobial Products by

# SMEAD

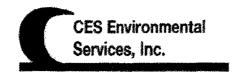
Inhibits the growth of damaging bacteria, algae, mold, fungus and mildew.

PATENT PENDING by SilverCo

No. 10338

HASTINGS, MN





1601

MIC

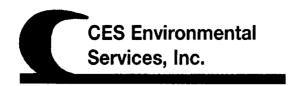
CES Waste Approval #:

Customer:

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Waste Profile Re-Certification Form**

Waste Generator:	MIC
Waste Stream Name:	Machne Coolant and Oil
Expiration Date:	<u>5/31/2008</u>
profiles on an annual basis. generation process of the afthazardous as per 40 CFR 26 Generator hereby certifies the	ian, CES Environmental Services, Inc. requires recertification of all approved wast. The purpose of this form is to confirm that no changes have been made in the forementioned waste stream and that the waste stream remains classified as non-id.3.  The components in the aforementioned waste stream and the process generating as same as when issued the aforementioned CES Waste Approval Number: (Check
No changes, please recer	tify. Analysis is NOT required for recertification.
☐ Please send new profile a has changed.	The following analysis is required for recertification.  Please sumbit results of the following tests.
Customer Name  Sla Paen at Signature  Auality Assuran Company / Title  4-23-08 Date	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 5/31/2006

Dear Bert Atkinson or Jim White

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1601

Generator: MIC

Address: 1801 Industrial

Brenham, TX 77833

#### Waste Information

Name of Waste: Machne Coolant and Oil

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Machine grinding process

Color: Brown / Bluish

Odor: Oil like

pH: neutral

**Physical State:** 

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. MAY-23-2006 16:59

CES Environmental Service

713 676 1676

P.02



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information				
Company:	MIC Group				
Address:	180   Industrial B	lvd.			
City, State, Zip:	Brenham, TX 77		·		Jim White
Contact:		Willie Brown	Title:	Managor	Sr. Mfg. Eugr.
Phone No:	979-836-4481	Maint, Ma		979-830-04	402
24/hr Phone:	CES-713-676-146				
U.S. EPA I.D. No:	NA			_	
State L.D.	86944		SIC Code:	MA	
SECTION 2: Billin	g Information 🛛	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:	Attn: Jim White	Title:	SF Mt	a. Enc	ro
Phone No:	979-337-	7029 Fax No			02
0	r 800-836	-6696	·············		
SECTION 3: Gener	ral Description of th	e Waste			
<b>i</b> .	-				
Name of Waste: Ma Detailed Description		<u>ill</u> ting Waste: <u>Machine grir</u>	iding process		·
Physical State:	🛭 Liquid	Sludge	☐ Powder		
}	☐ Solid	Filter Cake	Combinatio	n	•
Color: Brown/Bluish	<u>l</u>	Odor: <u>Oil like</u>			
Specific Gravity (wa	ater=1): <u>.90-1.0</u>	Density: 8 lbs/gal			
Layers:	Single-phase	🛭 Multi-phase	<b>:</b>		
Contaîner Type:	☐ Drum	Tote	Truck		Other (cxplain)
Container Size:			3000		· •
Container Size.				•	
Frequency:	☐ Weekly	☐ Monthly			Yearly
Number of Units (co	_ ,	Other:			
Texas State Waste	• —	A-Recyclable Material			
Proper U.S. DOT SI		Non-RCRA, Non-	DOT Regulated M	aterial	
Class: NA	UN/N	IA: NA	PG: N	A	RQ: NA
Flash Point	- D	Reactive Sulfides	Reactive C	'vanides	Solids
7125A Point >150	pH neutral	Omg/l	Ome/I	7	<3%

XXXXXX Reactivity: Corrosivity: Ignitability:

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on 🗵 generator knowledge and/or 🗵 analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document. Date: 05/26/2006

CES USE ONLY (DO NO	T WRITE IN THIS SPACE)		
Compliance Officer:	Polyer Ellandon	Additional Information:	
Date: 6-1-06	Approved Rejected	REC	
Approval Number:	160		<b>-</b>

## Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

Fax: 7136761676

Attn: Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

6050340

Client Sample ID:

Coolant / Oil / Water

**Extended ID:** 

MIC Group

Sample Collect Date: 5/4/2006 @ 10:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 5/15/2006 @ 5:14:00 PM

Test Group / Method

TX, Total Organic Halides Method: SW-846 9023

MDL

Result

**Date** 

Units

Analyst: AS

Date / Time

**Total Halides** 

411

mg/kg

5/22/2006 / 12:50 PM

Flags; H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Tuesday, May 23, 2006

Report Date: 23-May-06

Page 1 of 1

6050340

#### **MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT**

MES

ANALYTE	MB mg/L	ORIG mg/L	DUP mg/L	RPD	STD %REC	LCS %REC	LCSD %REC	RPD
Fluoride	< 0.01	0.253	0.256	1.18	96.8	100	102	1.49
Chloride	< 0.02	202	202	0.00	98.0	101	104	2.78
Bromide	< 0.01	0.00	0.00	0.00 -	101	108	105	3.34

## Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation MB=Method Blank

LCS=Laboratory Control Standard CCV=Continuing Calibration Verification CCB=Continuing Calibration Blank Rec=Percent Recovery

Signature: Holland D. Gilmore / Laboratory Director

May 23, 2006

EPAHO112001376

COMPANY NAME: (BILL TO:) CES E	ndive	nmen	h/Jen	uxe	_] ,	MI	ES	•	- CHAI	N OF	CUST	rody	1-800-771-4MES (281) 476-4534
COMPANY ADDRESS:					$ \frac{1}{6}$	Mercu 1913 H	1 <b>ry E</b> Ny. 225	nviron • Deer F	menta Park, TX	d Sei 77536	rvices	5	Fax (281)-476-4406
CONTACT PERSON'S NAME: 69113	STA	2						ERS FOR					REMARKS
CONTACT PERSON'S PHONE: 219-4/7	1.0737	_ FAX #: 2	13-676	-/676	<u> </u>	di			/ /	' /		AINEAS	TURNAROUND TIME
2 YOUR PROJECT NO.: YOUR P.O. A:  MJ < Group UBL 6/3	P		QUECT NAME:	<i>&gt;</i>	7/			//			NUMBER OF CONT.	TOWS	DETECTION LIMITS 8PECIAL LIMITS REQUIRED
PROJECT ADDRESS:					\$ \f	3/	/ /	/ /			MBEA	PAESEAVATIONS	<b>Yea N</b> o Please circle one, if Yes,
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	OATE	TIME	MATRIX	-					-	N N	Æ	please describe below or include separate sheet detailing
codent foil water	6	5-4-6	10,000		1				_				requiniments.
								<del></del>	-	-		-	
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						<u> </u>				-			
3				<del></del>				-					
7									-		-		000
·									<del>                                     </del>		<del></del>		
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						<b>†</b>							
						<u> </u>				<u> </u>	ļ		
PERSON TAKING SAMPLE SIGNATURE (a Print Name	å b. · Sign.]:	~	<u>.                                    </u>	R	EUNQUISHE(	BY:	1	7	DA	-150	TIME	3	EIVED Y:
RELINGUISHED EX.  Gignstufe)  RELINGUISHED EX.  Gignstufe)	17// I	PIPCEPPEQ		Pi (S	ELHQUISHE	067			DA	TE	TIME	FE	CEIVED BY:
	PED BY: fure)		COUF	IIER Ure)				RECEPTE	O FOR NE	S M	M		DE 15 Y
Sample Remainder Disposal	<del></del>				I Request I	ab To D	ispose C	I All Sampl	e Remain	ders	. C	)	
D Return Sample Remainder To Client Via					ignature)						(C	Jate)	

Make: Polar
Model: Tanker

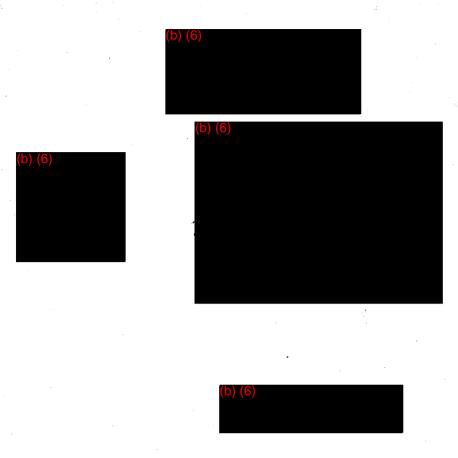
Yeur: 1997

Date in Service: 4/26/04

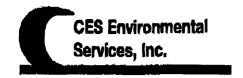
Vin #

Tire Size, 285/750 24.5

License Plate:



J. Cum



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #:	1645	
Customer: Waste Generator: Waste Stream Name: Expiration Date:	Milstead Envrion Milstead Envrion Recyclable Used 6/26/2008	mental
As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.  Generator hereby certifies that the components in the aforementioned waste stream and the process generating		
this waste stream remain the same as when issued the aforementioned CES Waste Appropriate Box)		
No changes, please recei	rtify.	☐ Analysis is NOT required for recertification.
<ul> <li>Please send new profile : has changed.</li> </ul>	as waste stream	☐ The following analysis is required for recertification.  Please sumbit results of the following tests.
Customer Name  Signature  Milsteack Enviror  Company / Title  Date	Agent, Manag	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity
space		

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 6/27/2006

Dear James Wilson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile #

**Generator:** Milstead Environmental Address: 29707 W. Hawthorne

Spring, TX 77386

## Waste Information

Name of Waste: Recyclable Used Oil

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Used oil from auto machine and auto body shop.

Color: varies

Odor: oily

pH: na

**Physical State:** 

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener		سم اسم		
Company:	Milstead Environmen			
Address: City, State, Zip:	29707 W. Hawthorne Spring, TX 77386			
City, State, Zip:	James Wilson		Title:	Manager
Phone No:	281-367-3535		Fax No:	281-419-4492
24/hr Phone:	713-303-5109		rax No.	201-419-4492
U.S. EPA I.D. No:	TXR000064360		<del>_</del>	
State I.D.	87723		SIC Code:	NIX
		······································		1401
SECTION 2: Billing	Information – 🛛 San	ne as Above		
Company:	<u> </u>			
Address:				
City, State, Zip:	· · · ·			
Contact:		Title:		
Phone No:		Fax No:		
SECTION 3: Gener	al Description of the W	<u>aste</u>		
		<del></del>		
Name of Waste: Rec				
<b>Detailed Description</b>	of Process Generating	Waste: Used oil from	<u>auto machani∉an</u>	d auto body shop.
DI 1 1 1 1 1 1 1	( ( ) ( ) ( ) ( ) ( ) ( )	_ a	l	
Physical State:	Liquid [	Sludge	☐ Powder	•
	Solid	Filter Cake	Combinatio	n
Color: Varies	Odo	or: <u>oily</u>		
	•			
Color: <u>Varies</u> Specific Gravity (was	•	or: <u>oily</u> Density: <u>7-8</u> lbs/gal		
Specific Gravity (was	ter=1): <u>-8</u>	Density: 7-8 lbs/gal		
	•			
Specific Gravity (was	ter=1): <u>-8</u> Single-phase	Density: 7-8 lbs/gal  Multi-phase		
Specific Gravity (was	ter=1): <u>-8</u>	Density: 7-8 lbs/gal  Multi-phase	☐ Truck	☐ Other (explain)
Specific Gravity (was	ter=1): <u>-8</u> Single-phase	Density: 7-8 lbs/gal  Multi-phase	☐ Truck	Other (explain)
Specific Gravity (was Layers:  Container Type:	ter=1):- <u>8</u> Single-phase  Drum	Density: 7-8 lbs/gal  Multi-phase	☐ Truck	Other (explain)
Specific Gravity (was Layers:  Container Type: Container Size:	ter=1): <u>·8</u> Single-phase  ☑ Drum [ 55 Gal	Density: <u>7-8</u> lbs/gal    Multi-phase    Tote		
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency:	Single-phase  Drum 55 Gal  Weekly	Density: 7-8 lbs/gal  Multi-phase  Tote  Monthly	Truck ———  Quarterly	Other (explain) Vearly
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (con	Single-phase  Drum 55 Gal  Weekly ntainers): 1-80	Density: 7-8 lbs/gal    Multi-phase    Tote     Monthly     Other:		
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency:	Single-phase  Drum 55 Gal  Weekly ntainers): 1-80	Density: 7-8 lbs/gal    Multi-phase    Tote     Monthly     Other:		
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (con	Single-phase  Drum 55 Gal  Weekly ntainers): 1-80 ode No: Recycle	Density: 7-8 lbs/gal    Multi-phase    Tote     Monthly     Other:	Quarterly	☐ Yearly
Specific Gravity (war Layers: Container Type: Container Size: Frequency: Number of Units (con Texas State Waste Con Proper U.S. DOT Shi	Single-phase  Drum 55 Gal  Weekly ntainers): 1-80 pode No: Recyclipping Name:	Density: 7-8 lbs/gal  Multi-phase  Tote  Monthly Other: Eled  Recyclable Used Oil	Quarterly	☐ Yearly
Specific Gravity (want Layers:  Container Type: Container Size:  Frequency: Number of Units (context Text Text Text Text Text Text Text	Single-phase  Drum 55 Gal  Weekly ntainers): 1-80 ode No: Recycle	Density: 7-8 lbs/gal  Multi-phase  Tote  Monthly Other:	Quarterly	☐ Yearly
Specific Gravity (war Layers: Container Type: Container Size: Frequency: Number of Units (con Texas State Waste Con Proper U.S. DOT Shi	Single-phase  Drum 55 Gal  Weekly ntainers): 1-80 pode No: Recyclipping Name:	Density: 7-8 lbs/gal  Multi-phase  Tote  Monthly Other: Eled  Recyclable Used Oil	Quarterly	☐ Yearly
Specific Gravity (want Layers:  Container Type: Container Size:  Frequency: Number of Units (context Text Text Text Text Text Text Text	Single-phase  Drum 55 Gal  Weekly ntainers): 1-80 ode No: Recyclipping Name:  UN/NA:	Density: 7-8 lbs/gal  Multi-phase  Tote  Monthly Other: Eled  Recyclable Used Oil	Quarterly	Yearly  RQ: Na  Solids
Specific Gravity (war Layers:  Container Type: Container Size:  Frequency: Number of Units (container State Waste Container U.S. DOT Shi Class: Na  Flash Point >200	Single-phase  Drum  55 Gal  Weekly ntainers): 1-80 ode No: Recyclipping Name:  UN/NA:	Density: 7-8 lbs/gal  Multi-phase  Tote  Monthly Other:  Recyclable Used Oil Na	PG: Na Reactive C	Yearly  RQ: Na  Solids D 20
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (container State Waste Container U.S. DOT Shire Class:  Na  Flash Point  200  Oil&Grease	Single-phase  Drum  55 Gal  Weekly ntainers): 1-80 ode No: Recyclipping Name:  UN/NA:  PH Na Or	Density: 7-8 lbs/gal    Multi-phase   Tote	PG: Na Reactive C Omg/l Copper	Yearly  RQ: Na  Solids Nickel
Specific Gravity (wan Layers:  Container Type: Container Size:  Frequency: Number of Units (container State Waste Container U.S. DOT Shi Class: Na  Flash Point >200	Single-phase  Drum  55 Gal  Weekly ntainers): 1-80 ode No: Recyclipping Name:  UN/NA:	Density: 7-8 lbs/gal    Multi-phase   Tote	PG: Na Reactive C	Yearly  RQ: Na  Solids D 20

		Units
Ranges a	re acceptable	or %
G\$ 100		%
0-590	¥ .	90
	- :	
	Ranges a	Concentration Ranges are acceptable  (5-100 0-370

### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None Chir - D-Te A

#### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

None oxidizers

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	2
TCLP Volatiles:	<u>&gt;</u>
TCLP Semi-Volatiles:	<u>&gt;</u>
Reactivity:	Σ
Corrosivity:	Σ
Ignitability:	<u>X</u>

#### **SECTION 9: Generator's Certification**

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\square$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date: <u>06/24/06</u>
Printed Name/Title: No Signature Required	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Poblat Approved  Approved Rejected  Approval Number: 1645	Additional Information:

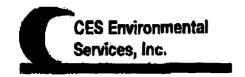
SI	ECTION 10: Waste Receipt Classification Under 40 CFR 4	<u>137</u>	
Is	this material a wastewater or wastewater sludge?   YES	X NO	
Ιf	'Yes', complete this section.		
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY, C	GO TO THE NEXT PAGE.
Meta	uls Subcategory: Subpart A		-
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi	:	goperations
Oils .	Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes		
<u>Orga.</u>	nics Subcategory: Subpart C		
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sor Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product_operations Tank clean-out from organic, non-petroleum sources	urces	

(1)	II the v	vaste contains on and grease at or in excess of 100 mg/L, the waste should be classified in the ons subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
-	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

maka! Date In Service'. Tire 5/2e 285/75/R 24.5



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## Waste Profile Re-Certification Form

CES Waste Approval #:	<u>1646</u>	
Customer:	Milstead Envr	<u>rionmental</u>
Waste Generator:	Milstead Envr	rionmental
Waste Stream Name:	Recyclable G	lycol and Water Mixture
Expiration Date:	6/26/2008	
waste profiles on an annual l	basis. The purpose aforementioned v	nental Services, Inc. requires recertification of all approved se of this form is to confirm that no changes have been made in waste stream and that the waste stream remains classified as non-
		s in the aforementioned waste stream and the process generating ued the aforementioned CES Waste Approval Number: (Check
No changes, please recent	ify.	☐ Analysis is NOT required for recertification.
☐ Please send new profile a has changed.	s waste stream	<ul> <li>The following analysis is required for recertification.</li> <li>Please sumbit results of the following tests.</li> </ul>
Customer Name Signature  All 14 and Enviro 16 Company / Title  Date	Sage at	□ TCLP Metals □ TCLP Volatiles □ TCLP Semi-volatiles □ Reactivity □ Corrosivity □ Ignitability

Total P.003



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 6/27/2006

Dear James Wilson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1646

**Generator:** Milstead Envrionmental **Address:** 29707 W. Hawthorne

Spring, TX 77386

Waste Information

Name of Waste: Recyclable Glycol and Water Mixture

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Glycol and water mixture from radiators from auto machine and auto body shops.

Color: varies

Odor: glycol

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information		1	
Company:	Milstead Environmen	tal		,
Address:	29707 W. Hawthorne			
City, State, Zip:	Spring, TX 77386			
Contact:	James Wilson		Title:	Manager
Phone No:	281-367-3535		Fax No:	281-419-4492
24/hr Phone:	713-303-5109			
U.S. EPA I.D. No:	TXR000064360		<del></del>	
State I.D.	87723		SIC Code:	NA
			_ 5.5 55	
SECTION 2. Rilling	Information – 🔀 San	ne as Ahove		
Company:	Intormation VV San	it as moore		
Address:				<del></del>
City, State, Zip:			<del></del>	
Contact:		Title:	<del></del>	
_		Fax No:		
Phone No:		rax No:		
OD CONTONIA C				
SECTION 3: Gener	al Description of the V	<u>Vaste</u>		
N CN D	11.01	Mind		
	cycable Glycol and Water			
	of Process Generating	waste: Glycol and water	er mixture from i	radiators from auto machanic and auto body
shops.				
Dharda J October	N Umid		Dden	
Physical State:	Liquid	Sludge [	Powder	
	Solid	Filter Cake	Combinatio	n
Color: Varies	Ode	or: <u>Glycol</u>		
Specific Gravity (wa	iter=1): <sub>3</sub> 8	Density: 7-8 lbs/gal		
		,		
Layers:	Single-phase	Multi-phase		
Layers.	M Single-phase	Widiti-phase		
_	<b>5</b> 7 <b></b> 1		٦	
Container Type:	⊠ Drum	Tote	Truck	Other (explain)
Container Size:	· <u>55 Gal</u>			
	÷			
F		□ Mandhle □	] O.,	D Variabi
Frequency:	⊠ Weekly [	Monthly	] Quarterly	
Number of Units (co	· —	Other:		
Texas State Waste C	Code No: Recyc	cled		
Proper U.S. DOT Sh	inning Name	Recyclable Gycol and	d Water Mixture	
-				
Class: Na	UN/NA:	Na	PG: Na	RQ: Na
El. I D :	T	·	D	(6.11)
Flash Point		eactive Sulfides	Reactive C	
<u>&gt;200</u>		mg/l	Omg/I	0 6
Oil&Grease	TOC	Zinc	Copper	Nickel
<u>Na</u> mg/I	Namg/I	Namg/I	<u>Na</u> mg/I	Namg4

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %	
Ethylene Glycol	40-50	%	
Water	50-60	%	
	-		

SECTION	5.	Safety	Related	l Data
		Jaicty	IXCIAICO	ı Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

### **SECTION 7: Incompatibilities**

Approval Number:

Please list all incompatibilities (if any): None

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>		
TCLP Volatiles:	X X X X X X	•	
TCLP Semi-Volatiles: Reactivity:	$\frac{X}{Y}$		•
Corrosivity:	$\frac{\Delta}{X}$		
Ignitability:	$\frac{\dot{\mathbf{x}}}{\mathbf{X}}$		
SECTION 9: Generato	r's Certification	•	
attached description is comissions of composition	complete and accurate to the best of my	edge and/or analytical data. I hereby cer knowledge and ability to determine that no suspected hazards have been disclosed. I ce t.	o deliberate or willful
Authorized Signature:	NA	Date: <u>03/29/06</u>	
Printed Name/Title: _N	lo Signature Required		
*			
CES USE ONLY (DO NOT V	VRITE IN THIS SPACE)		
Compliance Officer:	alfah Bay A	Additional Information:	
Compliance Officer: 2  Date: 6-26-06  Approval Number: 1	Approved Rejected	REC	
Approval Number:	646		

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	his material a wastewater or wastewater sludge?   YES  NO
lf"	Yes', complete this section.
PL.	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Metat</u>	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges
	Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms
	Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	if the	aste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.	
(2)		aste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exceluses listed below, the waste should be classified in the metals subcategory.	255
	Chron Coppe	m: 0.2 mg/L um: 8.9 mg/L 4.9 mg/L 37,5-mg/L	
(3)		aste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, bove any of the values listed above, the waste should be classified in the organics subcategory.	10
		Metals Subcategory	
		Oils Subcategory	
		Organics Subcategory	

## **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Golden Opportunity Regions



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 6/28/2006

Dear Charles Olson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1650

Generator: Golden Opportunity Recycling

**Address:** 6411 Cr 168

Alvin, TX 77511

## Waste Information

Name of Waste: Recyclable Oil Filters

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oil filters from automobiles and equipment

Color: varies

Odor: none

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Information		ple and	
Company:	Golden Oportunity R	ecycling Service		
Address:	6411 Cr. 168			· · · · · · · · · · · · · · · · · · ·
City, State, Zip:	Alvin, TX 77511		·	
Contact:	Charles Olson		Title:	President
Phone No:	281-331-9211		Fax No:	Na
24/hr Phone:	201 001 )211	· · · · · · · · · · · · · · · · · · ·	I WALL TO	
U.S. EPA I.D. No:	Na			
State I.D.	Na		SIC Code:	$\mathcal{A}$ $\mathcal{A}$
State 1.D.			SIC Couc.	
CECTION A DUI	1			
	<u>Information – 🛛 Sar</u>	ne as Above		
Company:				
Address:				
City, State, Zip:				
Contact:		Title:		·
Phone No:		Fax No:		
		-		
SECTION 3: Genera	al Description of the V	Vaste		
SECTION OF GUILLE		<del>Y u s c c</del>		
Name of Waste: Rec	volable Oil Filters			
		Waste: Oil Filters from a	utomobiles and	equipment
Detailed Description	or a rocess of her ating	waste. On Theory nom a	atomoones and	equipment.
Physical State:	Liquid	☐ Sludge ☐	Powder	
i nysicai State.				
	⊠ Solid	Filter Cake	Combination	l
Color: <u>Varies</u>	Ode	or: <u>None</u>		
Specific Gravity (wat	er=1): .5-1	Density: 6 lbs/gal		
		<u> </u>		
Laviance	⊠ Ciuala ubasa	Multi uhasa		
Layers:	<b>⊠</b> Single-phase	☐ Multi-phase		
	·			
Container Type:	⊠ Drum	☐ Tote ☐	Truck	Other (explain)
Container Size:	<u>55 G</u>			
		<del></del>		
		_		<u></u>
Frequency:	⊠ Weekly	☐ Monthly ☐	Quarterly	Yearly
Number of Units (con	tainers): 1-20	Other:		
Texas State Waste Co	· ——	·		
Proper U.S. DOT Shi	pping Name:	Recyclable Oil Filters		
Class: Na	UN/NA:	Na	PG: Na	RQ: NA
Class. Na	UN/INA.	14a	IG. Na	RQ: NA
			<del></del>	
Elect Detect	_37		Descrit C	0.23
Flash Point	•	eactive Sulfides	Reactive Cy	
<u>&gt;200</u>		mg/l	<u>0</u> mg/l	90 %
Oil&Grease	TOC		Copper	Nickel
<u>&gt;1000</u> mg/l	<u>Na</u> mg/I	<u>0</u> mg/l	<u>)</u> mg/l	<u>0</u> mg/l

	COMPONENTS TABLE	Concentration	Units
	The waste consists of the following materials	Ranges are acceptable	or %
Oil Filters		90-99	%
Oil		1-10	%

#### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

Signature not required

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

#### **SECTION 7:** Incompatibilities

Please list all incompatibilities (if any):

None

### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	X
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

**Authorized Signature:** 

#### **SECTION 9:** Generator's Certification

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\square$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

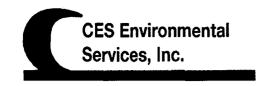
Printed Name/Title: Charles Olson/President	•
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Problem Thagea	Additional Information:
Date: 6-28-06 Approved Rejected	REC
Approval Number: 1650	

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	his material a wastewater or wastewater sludge?   YES NO
If'	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	11 the	waste contains off and grease at or in excess of 100 mg/L, the waste should be classified in the offs subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
		ium: 0.2 mg/L nium: 8.9 mg/L
	Coppe	er: 4.9 mg/L_
	Nicke	l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

## **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



CES Waste Approval #: 1650

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

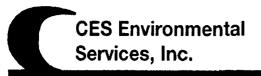
## **Waste Profile Re-Certification Form**

Customer:	Golden Opportun	nity Recycling
Waste Generator:	Golden Opportun	nity Recycling
Waste Stream Name:	Recyclable Oil Fi	<u>Iters</u>
Expiration Date:	6/28/2008	
waste profiles on an annual the generation process of th hazardous as per 40 CFR 26 Generator hereby certifies t	basis. The purpose of e aforementioned waste 11.3.	Il Services, Inc. requires recertification of all approved this form is to confirm that no changes have been made in a stream and that the waste stream remains classified as non-the aforementioned waste stream and the process generating the aforementioned CES Waste Approval Number: (Check
➤ No changes, please recen	tify.	X Analysis is NOT required for recertification.
☐ Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification. Please sumbit results of the following tests.
Robert Peter: Customer Name  Rollod Poters  Signature	5 on	<ul> <li>□ TCLP Metals</li> <li>□ TCLP Volatiles</li> <li>□ TCLP Semi-volatiles</li> <li>□ Reactivity</li> <li>□ Corrosivity</li> </ul>
Signature  Solden Opp Company / Title	certunity	☐ Ignitability
10 - 16 - 08 Date		

4904 Griggs Road Houston TX 77021

Tel. (713) 676-1460

Fax. (713) 676-1460



## Waste Pre-Acceptance/Approval Letter

Date 6/28/2006

Dear Charles Olson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1651

Generator: Golden Opportunity Recycling

**Address:** 6411 Cr 168

Alvin, TX 77511

#### Waste Information

Name of Waste: Recyclable Oily Rags

TCEQ Waste Code #: Recycle

**Container Type:** 

Detailed Description of Process Generating Waste:

Oil rags from cleaning off hands and equipment.

Color: varies

Odor: none

pH: na

**Physical State:** 

Incompatibilities: Oxidizers

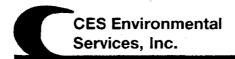
Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera					principal de la companya della companya della companya de la companya de la companya della compa		
Company:	Golden Oportunity	Recycling Service					
Address:	6411 Cr. 168						
City, State, Zip:	Alvin, TX 77511	-					
Contact:	Charles Olson		Title:				
Phone No:	281-331-9211	,	Fax No:				
24/hr Phone:							
U.S. EPA I.D. No:	Na						
State I.D.	Na		SIC Code:	NA			
			<del></del>				
SECTION 2: Billing	Information - S	Same as Ahove					
Company:	Illiormation P.V.	Wille to Troote					
Address:							
City, State, Zip:							
Contact:	· · · · · · · · · · · · · · · · · · ·	Title:					
Phone No:		Fax No:					
		Tax No.					
SECTION 3: Genera	l Description of the	e Waste					
Name of Waste: Reco		ing Waste: Oil rags from c	leaning off hands	and equip	ment.		
Dhawiaal Gasas	□ 3:ta	П си					
Physical State:	Liquid	☐ Sludge	Powder				
	Solid	Filter Cake	Combination Combination	n			
Color: Varies	C	Odor: <u>None</u>					
	•						
Specific Gravity (wat	er=1): <u>.5-1</u>	Density: 6 lbs/gal					
	, <del></del>	v = 0					
Layers:	Single-phase	Multi-phase					
•		<u> </u>					
Container Type:	Drum	☐ Tote T	7 Truck		Other (explain)		
Container Type:					Other (explain)		
Container Size:	<u>55 G</u>						
		•					
Frequency:		☐ Monthly ☐	] Quarterly		Yearly		
- ,			_		<i>1</i> • • • • • • • • • • • • • • • • • • •		
Number of Units (containers): 1-20 Other:							
Texas State Waste Co	ode No: Ke	cycled					
Proper U.S. DOT Shipping Name: Recyclable Oily Rags							
Class: Na	UN/N	A: Na	PG: Na		RQ: NA		
	. 010111	* 140			RQ: NA		
Flash Point	рH	Reactive Sulfides	Reactive Cy	anides	Solids		
>200	Na	Omg/l	0mg/l	aniues	10010		
Oil&Grease	TOC	Zinc	Copper	NI:	ckel		
>100ma/l	Noma/I	Oma/I	Omail	1410	LNCI		

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Rags (Cloth)	90-99	%	
Oil	1-10	%	

SECTION:		

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

## **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

None Oxidi3025

## **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	X
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

Approval Number:

SECTION 9: Generator's Certification

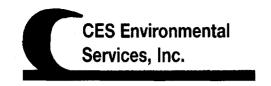
The information contained herein is based on generator knowled attached description is complete and accurate to the best of my omissions of composition properties exist and that all known or stested are representative of all materials described by this document Authorized Signature:  Printed Name/Title:	Date: <u>4/4</u> 4/66
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer:   Approved Number: 165	Additional Information:

SECTION 10: Waste Receipt Classification Under 40 CFR 437	
Is this material a wastewater or wastewater sludge?   YES	NO
If 'Yes', complete this section.	
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE	TE CATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory: Subpart A	
Spent electroplating baths and/or sludges  Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplate Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment	ting or phosphating operations
Oils Subcategory: Subpart B	
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols	
Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
Organics Subcategory: Subpart C	
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes	
Wastewater from paint wasnes  Wastewater from adhesives and/or epoxies formulation  Wastewater from organic chemical product operations  Tank clean-out from organic, non-petroleum sources	

(1)	11 the v	waste contains on and grease at or in excess or 100 mg/b, the waste should be classified in the ons subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
(3)	Chrom Coppe Nickel	ium: 0.2 mg/L nium: 8.9 mg/L n: 4.9 mg/L : 37.5 mg/L waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

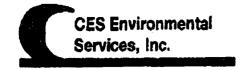


CES Waste Approval #: HOU-1651

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Waste Profile Re-Certification Form**

Customer:	Golden Oppor	rtunity Recycling			
Waste Generator:	Golden Opportunity Recycling				
Waste Stream Name:	Recyclable Oi	ly Rags			
Expiration Date:	6/28/2008				
profiles on an annual basis.	The purpose of the forementioned wast	nental Services, Inc. requires recertification of all approved waste is form is to confirm that no changes have been made in the se stream and that the waste stream remains classified as non-			
		s in the aforementioned waste stream and the process generating ued the aforementioned CES Waste Approval Number: (Check			
⊠- No changes, please rece	tify.	Analysis is NOT required for recertification.			
☐ Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification. Please sumbit results of the following tests.			
Customer Name  Role d / etor  Signature  Colden Opp  Company / Title	bon	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability			
16-17-08 Date					



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 678-1676

## Waste Profile Re-Certification Form

CES Waste Approval #: 1654

--

Customer:

Hydrii Company LP (HTC)

Waste Generator:

Hydril Company LP (HTC)

Waste Stream Name:

Non-Haz Wastewater

**Expiration Date:** 

6/29/2007

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

X

No changes, please recertify.

Please send new profile as waste stream has changed.

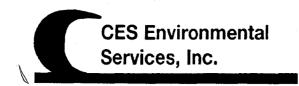
Customer Name

Signature

Environmental Specie

Title

Ompany



## Waste Pre-Acceptance/Approval Letter

Date 11/30/2006

Dear Lacy Rosson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1654

**Generator:** Hydril Company LP (HTC) **Address:** 3300 Sam Houston Pkwy E

Houston, TX 77032

**Waste Information** 

Name of Waste: Non-Haz Wastewater

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Historic cleaning operations

Color: green

Odor: mild septic

pH: 4-11

**Physical State:** 

Incompatibilities: None

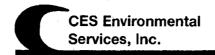
Safety Related Data/Special Handling:

None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

	ator Information								
Company :	Hydril Company	<del></del>							
Address:	3300 Sam Hous	ton Pkwy E	3300 San	n Houston Pk	wy E				
City, State, Zip:	Houston TX 770	32							
Contact :	Lacy Rosson				Tit	le:			
Phone No:	(281) 449-2000				Fa	<b>x</b> :	(281) 985-8871		
24 / HR Phone :							_		
U.S EPA I.D No:	TXD981609027			<u></u>					
State I.D :	31401				SIC	Code	3533		
SECTION 2: Billing	Information		<del></del>						
Company :	Hydril Company				-			-	
Address :	3300 Sam Hous	ton Pkwy E	3300 San	n Houston Pk	wy E				
City, State, Zip :	Houston TX 770	32							
Contact:	Lacy Rosson				Tit	le:			
Phone No:	(281) 449-2000			<del></del>	Fa	x :	(281) 985-8871		
SECTION 3: Genera	al Description of t	he Waste		•					
Name of Waste :	Non-Haz Waste	water							·
Detailed Descript			Waste:					- <del></del>	
Historic cleaning of		3011014	Trucio.						
Physical State :	✓ Liquid		<b>✓</b> Sludge		Powde	r			
	Solid		Filter C	aka.	Combi	nation			
	green		i incor c	ane	Combi	ilation			
Color :	<u> </u>	<u> </u>		Odo		ilation	n	nild septic	
Color : Specific Gravity (	Water=1) :	<u>g</u>		Odo		iiauoii	n 8.5		lbs / gal
	Water=1) :	e	green	Odo Den	or:				lbs / gal
Specific Gravity (		Phas	green 1	Odo Den Phase	or : sity :	her (exp	8.8		lbs / gal
Specific Gravity( Layers:	Single-P	Phas	green  1  Multi-F	Odo Den Phase	or : sity :		8.8		lbs / gal
Specific Gravity ( Layers : Container Type :	Single-P	Phas	green  1  Multi-F	Odo Den Phase	or : sity :		8.8		lbs / gal
Specific Gravity ( Layers: Container Type: Container Size:	Single-P Drum : 2	Phas To	green  1  Multi-F	Odo Den Phase	or : sity :		8.8		lbs / gal
Specific Gravity ( Layers : Container Type : Container Size : Number Of Units	Single-P Drum  : 2 te Code No :	Phas  To	green  1  Multi-Fote	Odo Den Phase	or: sity:		8.5 Ilain)		lbs / gal
Specific Gravity ( Layers : Container Type : Container Size : Number Of Units Texas State Wast	Single-P Drum  2 te Code No :	Phas  To	green  1  Multi-Fote	Odo Den Phase	or: sity:	her (exp	8.5 Ilain)		lbs / gal
Specific Gravity ( Layers: Container Type: Container Size: Number Of Units Texas State Wast Proper U.S. State	Single-P Drum  2 te Code No : Waste Code No	Phas  Report	green  1  ✓ Multi-Fote ✓	Odo Den Phase	Recy	her (exp clable oi na	8.5 Ilain)	5	na
Specific Gravity ( Layers : Container Type : Container Size : Number Of Units Texas State Wast Proper U.S. State Class :	Single-P Drum  2 te Code No : Waste Code No	Phas  Report  UN/NA:	green  1  ✓ Multi-Fote ✓	OdoDen Phase	Recy	her (exp clable oi na	8.5	RQ:_	na ds
Specific Gravity ( Layers:  Container Type:  Container Size:  Number Of Units  Texas State Wast  Proper U.S. State  Class:na	Single-P Drum  : 2 te Code No : Waste Code No	Phas  Roo:  UN/NA:	green  1  ✓ Multi-Fote ✓	OdoDen PhaseTruck	Recycles	her (exp clable oi na Reac	8.5  Islain)  ly water  tive Cyanides	RQ:_	na ds 20 %

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	80-98	%
Solids	2-20	%
Oil	0-1	%

The was	ste consists of the following materials	Ranges are acceptable	01%
	Water	80-98	%
	Solids	2-20	%
	Oil	0-1	%
ECTION 5: Safety Related	Data		
the handling of this wa	aste requires the use of special protective equipment	, please explain.	
-			
• •			
ECTION 6: Attached Supp	orting Documents		
ist all documents, notes ee MES Lab# 6060600	s, data, and/or analysis attached to this form as part	of the waste approval package.	
ECTION 7: Incompatibilitie	es		
lease list all incompatik			
one			
ECTION 8: Generator's Kn	owledge Documentation		
aboratory analysis of th	ne hazardous waste characteristics, listed below, WA owledge	AS NOT PERFORMED based upon	the
CLP Metals :	<u>x</u>		
CLP Volatilies :	No volatile materials are part of the generating proces	<u>ss</u>	
CLP Semi-Volatiles :	No semi-volatile materials are part of the generating p	process	
eactivity :	<u>X</u>	<del></del>	
orrosivity :	<u>x</u>		
nitability :	<u> </u>		
CTION 9: Generator's Ce	_		
bove and attached desc eliberate or willful omis	ed herein is based on generator knowledge and/ cription is complete and accurate to the best of my knowns of composition properties exist and that all known the materials tested are representative of all materials.	nowledge and ability to determine nown or suspected hazards have	that no
Authorized Signature :		Date : 6/29/2006	÷
rinted Name / Title :	Lacy Rosson /		*****
CES USE ONLY (DO NO	T WRITE IN THIS SPACE)	Special Pricing / Analytical	Info:
Compliance Officer :	Prabhakar Thangudu Wallaman		
	Prabhakar Thangudu Property Rejected		
Compliance Officer :  Date : 6/29/2006  Approval Number :		Recommended Treatmen	nt:

SECTION	ON 10: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge? YES NO
If 'YES	s', complete this section
PLEAS	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
$\checkmark$	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oile C	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
$\Box$	Colants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
0	ics Subcategory Subpart C
Organ	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	✓ Metals Subcatego
1	☐ Oils Subcatego
	☐ droanics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 7702]
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 3090 ISWR No: 30900

SECTION 1: Gener	ator informati	OR										
Company:	Hydril Comp	any LP (HT	(C)									
Address:	3300 Sam F	louston Pkv	vy E 3300	Sam Ho	usion P	kwy E						
City, State, Zip :	Housion TX	77032										
Contact:	Ron Little	KHOSI	Roud	Minik	2610		Title:	HSE	mail	n 10 %	. /	
Phone No:	(281) 985-3	292				*	Fax:	(281) 98	5-8871		<b>—</b>	u
24 / HR Phone :							_					-
U.S EPA I.D No :	TXD901609	027					-					
State I.D :	31401						SIC Code	<u>3533</u>				ب, نــــــ
SECTION 2: Billing	Information											
Company :	Hydril Comp	sany LP (HT	(C)									
Address :	3300 Sam I-	louston Pkv	y E 3300	Sam Ho	uston P	kwy E	,					
City, State, Zip :	Houston TX	77032				- •						
Contact:	Ron Little						Title:					
Phone No:	(281) 985-3	292		-			Fax:	(281) 98	5-8871			
SECTION 3: General	al Description	of the Wast	•			•						
Name of Waste !	Non-Haz Wa	astewater										
Detailed Descript	tion of the P	roc <b>ess</b> Ger	terating V	√zsle:								
Historic cleaning o	perations											
Physical State :	🛂 Liqui	ld	<u>√</u> SI	udge		[] Po	wder					
	🗒 Solic	ı		iter Cake		[]] Co	mbination					
Color:			green		Od	or:			л	aild ac pti	c	
Specific Gravity (	Water=1):		. 1		Del	nsity :			8.5		I	be / gal
Does this material	contain any to	tsi phenoile	COMPOUN	157	 □ Ye	<b>.</b>	☐ No					
Does this material (		•		·	unds?		Yes	ŬJ.No				
is the Waste subjec	t to the benze	ne waste of	eration Ne	SHAP? (4	40 CFR F	art 61.	Subpart FF	) [	Yes	_	No	
•	816 2819	2921 28		2824	2833	2834	· •	8 <b>36 2</b> 843	2842	28-3	2844	2651
	869 2873	2874 28		2991	2 <del>89</del> 2	2093		899 2911		49! 3	4959	9511
Layers :	⊡ Sing	le-Phas	∑ Mı	ulti-Phas	•							
Container Type :	☐ Drun		Tota		Truck		Other (ex	plain) _				<del></del> .
Container Size :	5000	<u> </u>										
Number Of Units	:											
Is this e USEPA "H	bzardous W	ste" per 40	CFR 261.	37		<b>1</b> 85	□ No					
If "Yes", then ple	ease complete,	sign and dab	e the Under	lying Haza	rdous Co	anstituer	ots Form att	ached hereb	0			
If "Yes", is it:	D001 [	D002	<b>D003</b>									

Characteristic for Toxic M		1000 DOOG 🗀 DOOG 🗀 D	007	il ele lele P.
	D006 D0		013	
Characteristics for Toxic (	Organica: D012 thru D043 (p	lease list all that apply)		F1116 also
ĭs this an "F" or "K" Liste:	Seno dilw bekim to steem b	☐ Yes ☐ No		
If "Yes", then places in	st ALL applicable codes:			
ls this a commercial produ 261.33(e) or (7)?	uct or spill cleanup that wou	ild carry a "U" or "P" week	e code under 40 CFR	Ţ Y1 Þ ☐ No
If "Yes", then please i	ist ALL applicable codes:			
exes State Waste Code	No : Recycle			
roper U.S. State Waste (	Code No :	Recyc	lable oily water	·
Class: na	UN/NA : na	PG;	ne	RQ: na
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solida
>150	4-11	<1 mg/l	NDmg/:	2-20 %
Oil and Greate	TOC	Zino	Copper	Nickel
>100 mg/l	ND mg/l	ND mg/l	ND mg/l	ND mg/l
ECTION 4: Physical and Ch				
The material / i	COMPONENTS TABLE product consists of the foil	owing materials	Concentral Ranges are acc	
	Waler		80-96	%
	Solida		<b>2-2</b> 0	%
	Oil		0-1	%
	· · · · · · · · · · · · · · · · · · ·			
ECTION 5: Safety Related D	ent =			
	te reguires the use of spec	cial protective equipmen	d nieuse esniain.	
one		0.12. p. 0.000 a. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	M proses employer	
ECTION 6: Attached Suppo	rting Documents	•		
st all documents, notes, se MES Lab# 6080800	, data, and/or analysis attac	ched to this form as part	of the waste approval	pack ige.
		•		
	•			
CTION 7: Incomputibilities	L			
ease list all incompatibl	lities (If any):			
one				
CTION 8: Generator's Kno		nulation lineard hater 385	O NOT BUTTONIES L	and times the
boratory analysis of the lowing generators know	hazardous waste charecte viedge	Frietice, Heteti Delow, Wi	as not performed b	BORC UDON THE
LP Metale ;	¥			
LP Volatilles :	No volatile materials are pa	nt of the generaling proce	<u> </u>	
LP Semi-Volatiles :	No semi-volutile materials a			
activity :	X			
÷ •		. 2		

Corr	osivity: x				
4	ability:		÷		
1997	20,				
SEC1	FION 9: Waste Receipt Classification Under	40 CFR 437			
	e material a wastewater or wastewater sk		VES	. □ NO	
			Ø 150		
	ES', complete this section	•			
PLE	ASE CHECK THE APPROPRIATE SOX:	if no app	ropriate	CATEGORY, GO TO TH	E NEXT PAGE
Mate	ile Subcatenory: Subpart A				
	Spent electroplating baths and/or sludg	<b>GB</b>			
Γ, Ι	Metal finishing rings water and sludges				
	Chromate wastes				
	Air pollution control blow down water an	id sludges			
17	Spent anodizing solutions	•			
	Incineration Wastewaters				
$\Box$	Waste liquid mercury				
	Cyanide-containing wastes greater than	•			
	Waste scids and bases with or without				
×	Cleaning, rineing, and surface preparali	on solution:	from elect	roplating or phospha	
	Vibratory deburring wastewater				
	Alkaline and acid solutions used to clea	n melai par	ts or equipr	ment	
	Subcategory: Subpart 8				
	Used oils				
	Oil-water emulsions or mixtures				
	Lubricants				
	Contemies of statistical statistics along up to	m notralous	<b>*</b> ********		
	Contaminated groundwater clean-up fro	ıuı betroleni	II SOUICES		
ü	Used petroleum products Oil spill clean-up				
0	Blige water				
	Rinse/wash waters from petroleum sour	200			
Ü	Interceptor wastes	<b>V</b> 00			
$\stackrel{\sim}{\vdash}$	Off-specification fuels				
	Underground storage remediation waste	ne			
	Tank clean-out from petroleum or oily so				
	Non-contact used glycols	<b>Jul 020</b>			
	Aqueous and oil mixtures from parts clea	aning opera	itions		
<u>.</u> .]	Wastewater from oil bearing paint wash				
E					
Organ	nias Subastagory Subpart C				
Ü	Landili leachate				
	Contaminated groundwater clean-up from	m non-petro	seum sourc	<b>zes</b>	
	Solvent-bering wastes				
	Off-specification organic product				
Ü	Still bottoms				
	Byproduct waste glycol				
	Wastewater from paint washes				
$\Box$	Wastewater from adhesive and/or spoxic				
<b></b>	Martawater from commission chaminal words	et operatio	-		

3

$\Box$	Tank clean-out from organic, non-patroleum sources	10 01	ם זפום	P.0
(1)  [1	the waste contains oil and gresse at or in excess of 100 mg/L, the waste should be classified in the oils	eul zote	gory	
2) If 1 0x	the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concrete of the values listed below; the waste should be classified in the metals subcategory	err atio	ns in	
Ci	admium: 0.2 mg/L nromium: 8.9 mg/L opper: 4.9 mg/L ekel: 37.5 mg/L			
3) Kt	the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, c nickel above any of the values listed above, the waste should be classified in the organics subcategory	hrs niun	n. copper	•
Z	Metals Subcatego			
[]	Oils Subcatego			
	Organics Subcategory			
you (	ION 10: Additional instruction cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration turn. Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to ntrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.			
you chromoncer bectic	cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration flum, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to ntrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.  2N 11: Generator's Certification  formation contained herein is based on   generator knowledge and/or   in analytical data. It and staged description is complete and accurate to the bast of my knowledge and ability to despect or willful omissions of composition properties exists and that all known or suspected hazard	de ermi er iby c eta 'min s i eve	ne these erity that e thut no	
you chromoncer bectic	cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration illum, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to nitrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.  2011: Generator's Certification  formation contained herein is based on generator knowledge and/or in analytical data. It and attached description is complete and accurate to the best of my knowledge and ability to durate or willful omissions of composition properties exist and that all known or suspected hazard sed. I certify that the materials tested are representative of all materials described by this docur	de ermi ler iby c ets 'min s I sve ne it.	ne these erity that e thut no	
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TOTAL P.05



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 6/29/2006

Dear Charles Olson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1656

Generator: Golden Opportunity Recycling

**Address:** 6411 Cr 168

Alvin, TX 77511

#### Waste Information

Name of Waste: Oil and Absorbent TCEQ Waste Code #: CESQ4091

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oil and absorbent from absorbing oil around unused diesel and hydraulic oil fillting static

Color: varies

Odor: none

pH: na

**Physical State:** 

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information	6		pro-
Company:		y Recycling Service		
Address:	6411 Cr. 168			
City, State, Zip:	Alvin, TX 77511			
Contact:	Charles Olson		Title:	President
Phone No:	281-331-9211		Fax No:	Na
24/hr Phone:				
U.S. EPA I.D. No:	TXCESOM		<del></del>	
State I.D.			SIC Code:	NA
	-012101			7,3
SECTION 2: Billing	Information – 🖂 :	Same as Above		
Company:				
Address:				
City, State, Zip:			<del></del>	
Contact:		Title:		
Phone No:		Fax No	· · · · · · · · · · · · · · · · · · ·	
		Tax Nu		
CECTION 2 C	1.15. 1.41 . 641	337. 4		
SECTION 3: Gener	al Description of th	e waste		
Name of Waste:	n-1 & . Lc-1	. A		
			1 . 6 1 1:	au au
	of Process General	ing waste: Oil and Abs	orbent from absorbi	ng oil around unused diesel and hydrolic oil
filling stations.				
Dhaminal Ctates	T ::	Clarks.	D. Ddan	
Physical State:	Liquid	☐ Sludge	Powder	
	⊠ Solid	Filter Cake	Combination	n ·
Color: Varies	(	Odor: None		
			1 * *	
Specific Gravity (was	ter=1): 1-1.5	Density: 10 lbs/gal		
• ` ` .	. /	• • • • • • • • • • • • • • • • • • • •		
Layers:	Single-phase     ■	☐ Multi-phase	۵	
Layers.	⊠ Single-phase	□ Munti-huas	5	
~ · · -	57		¿····	
Container Type:	⊠ Drum	□ Tote	Truck	Other (explain)
Container Size:	<u>55 G</u>		<del></del>	
Б	57			
Frequency:	⊠ Weekly	☐ Monthly	Quarterly	∐ Yearly
Number of Units (cor	ntainers): <u>1-20</u>	Other:	_	and the second s
Texas State Waste Co	ode No: (	2 ESQ 4091		
Duaman II C DOT Ch:				16
Proper U.S. DOT Shi	pping Name:	Waste A	bsobent &	O. Hecycled)
Class: Na	UN/N.	A: Na	PG: Na	RQ: NA
<del></del>			<del></del>	
Flash Point	рН	Reactive Sulfides	Reactive C	yanides Solids
<u>&gt;200</u>	Na	0mg/l	<u>0</u> mg/l	7 <b>80</b> %
Oil&Grease	TOC	Zinc	Copper	Nickél
<u>&gt;1000</u> mg/l	Namg/I	<u>0</u> mg/l	<u>0</u> mg/l	<u>O</u> mg/l

#### **<u>&CTION 4: Physical and Chemical Data</u>**

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Absorbent	90-99	%
Oil	1-10	%
Dirt and Dust	0-10	%
		1

#### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

#### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):  None  OXidi3 CL8	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, list generator knowledge:	ed below, WAS NOT PERFORMED based upon the following
$ \begin{array}{cccc} TCLP \ Metals: & \underline{X} \\ TCLP \ Volatiles: & \underline{X} \\ TCLP \ Semi-Volatiles: & \underline{X} \\ Reactivity: & \underline{X} \\ Corrosivity: & \underline{X} \\ Ignitability: & \underline{X} \\ \end{array} $	
The information contained herein is based on generator knowl attached description is complete and accurate to the best of my omissions of composition properties exist and that all known or tested are representative of all materials described by this document Authorized Signature:  Printed Name/Title:	Date: 6/26/06
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer:   C	Additional Information:  REC

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	his material a wastewater or wastewater sludge?   YES  NO
If'	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Organ</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exce values listed below, the waste should be classified in the metals subcategory.
_	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



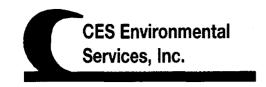
### GENERATOR NOTIFICATION FORM FOR RECYCLING HAZARDOUS OR INDUSTRIAL WASTE

Use this form to comply with requirements found in 30 TAC 335.6 to notify the TCEQ of hazardous or industrial solid waste stream recycling activities by your facility. This form is not appropriate for notification of wastes which you receive and recycle. Receivers should use Form TCEQ-0524.

CEQ ID: CESQC C	OMPANY NAME:_ <i>G</i>	olden opertunity Recycling	Service
e material is not on your NOR, please	add the waste code to your Texas Environmental Elect	), please indicate the Texas waste code below. If NOR. If you are a large Quantity Generator, ronic Reporting System. Small quantity generators	<b>;</b>
/ASTE CODE: CES@	709U		
Update NOR to reflect any on-site s 02. If the storage unit is already on yo CEQ-0002. If no storage occurs, skip to NIT SEQUENCE NUMBER:	ur facility's NOR, indicate	e recycled using either STEERS or Form TCEQ- the unit sequence number and do not attach Form	
3. DESCRIBE THE REC	YCLING PROCESS		]
A. Will the material be recyc	led On-site?	Off-site?	1
B. List on-site units(s) where	waste is recycled: _/	_/_/, _/_/_, _/_/_/	
C. Describe the recycling me	thod:		
☐ Solvent Recovery	□ Feedstock/Ingredient	□ Asphalt Batching	
□ Metals Recovery	□ Compost*	□ Alternate Daily Cover	
□ Oil Recovery*	□ Smelting	□ Soil Amendment*	
□ Energy Recovery*	□ Fuel Blending*	□ Fertilizer*	
□ Catalyst Recovery	□ Other*	□ Container Reconditioning*	
☐ Acid Regeneration	₩ Road Base*		
	ck/ingredient, compost, r	recovery, energy recovery, fuel blending, road base, soil amendment, fertilizer and have base.	•

TCEQ-0525 (Rev.1/2005)

E. If the material is recycled off-site, please provide the following	g information:
Receiver's (Recycler's) Name: HPP	\ <u></u>
TCEQ ID (if registered):	
Telephone Number:	
Please note that deed recordation as outlined in Title 30 Texas (§)335.5 is not required for the legitimate reuse/recycling of madditional information on recycling, refer to 30 TAC §335.24 and the second s	aterials, even if land applied. For
Please sign each form submitted or you may submit a cover letter other forms you may have completed as part of this notification. I information necessary to completely describe the recycling process	Please attach any supplemental
Authorized Representative:	
Name: Dan Bownum Teleph Signature: Date:	none Number: 713 - 854-6150
Signature: Date:	-6/26/06
<b>Return this form to</b> : TCEQ I&H Waste Permits Section, Waste Permits Texas 78711-3087.	Division, MC130, P.O. Box 13087, Austin,
FOR TCEQ USE O	NIVERSEE
Acknowledgment of Recycling The TCEQ <u>acknowledges</u> the receipt of your notification pursuant to the rehis is <u>not an approval</u> of your recycling activity/ies. The requirements for	g Notification equirements in 30 TAC §335.6. Please note that or industrial and/or hazardous wastes which are
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CES Waste Approval #:

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Waste Profile Re-Certification Form**

Customer:	Golden Opportunity Recycling				
Waste Generator:	ste Generator: Golden Opportunity Recycling				
Waste Stream Name:	Oil and Absorbent - send to HPP				
Expiration Date:	6/28/2008				
waste profiles on an annual the generation process of th hazardous as per 40 CFR 26 Generator hereby certifies t	that the components in the aforementioned waste stream and the properties as when issued the aforementioned CES Waste Approval Nortify.  Analysis is NOT required for recertific as waste stream  The following analysis is required for a Please sumbit results of the following to	e been made in classified as non classified as non cocess generating Number: (Check cation.			

make: Clement	24
Model: Trailer [Roll Off]	
Year: 1998	
Date In Service: 11/11/02	
Vin #	b) (6)
Tire Size! MR22.5	
License 5	
_	

L. au

ACSON SASV







4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date

7/7/2006

Dear

Marcus B. Anderson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

**CES Profile #** 

1659

Generator: Williams Brothers Construction

Address:

HWY 59 South

Houston, TX

#### **Waste Information**

Name of Waste: Dirt contaminated with diesel and oil

TCEQ Waste Code #: CESQ4891

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Fuel leaked on ground from fuel dispensing unused diesel

Color: Dark

Odor: None

**pH**: 6-8

**Physical State:** 

Incompatibilities: n/a

Safety Related Data/Special Handling:

n/a

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener		<b>a</b>				
Company:	Williams Brothers	~				
Address:	South Main @ Kirt					
City, State, Zip: Contact:	TX Mark Anderson			Title:	······································	<del></del>
Phone No:	713-522-9821			Fax No:		
24/hr Phone:	281-541-4829			Pax Hu		
U.S. EPA I.D. No:	TXCESQG		~			
State I.D.	CESQG	****		SIC Code:	N/A	
				240 00421		
	Information – S	ame as Above		•		
	CKG Services				· · · · · · · · · · · · · · · · · · ·	
Address:	10707 Honea Egypt F			<del></del>		
- '	Montgomery, TX 773	110	meat			
Contact:	Traci Fisher		Title:	036 493 3654		
Phone No:	936-483-3662		Fax No:	936-483-3674		
SECTION 3: Gener	al Description of the	Waste				
Name of Waste: <u>Dir</u> Detailed Description	t Contaminated with I of Process Generati		Leaked on (	iround from Fu	ıel Dispensi	ng, unused Diesal
Physical State:	☐ Liquid	Sludge		Powder		
rilysical State:	,,		<b>.</b>			
	X Solid	☐ Filter Ca	ke	Combination	n	
Calous Donle						
Color: <u>Dark</u>	0	dor: <u>None</u>				
Specific Gravity (wa		dor: <u>None</u> Density: <u>12</u> l	lbs/gal			
<del></del>		Density: 12	lbs/gal lti-phase			
Specific Gravity (wa	ter=1): <u>&gt;1</u> X Single-phase	Density: 12	-	Truck	П	Other (evolain)
Specific Gravity (wa Layers: Container Type:	ter=1): <u>≥1</u> X Single-phase  X Drum	Density: 12	-	Truck		Other (explain)
Specific Gravity (wa	ter=1): <u>≥1</u> X Single-phase  X Drum  Box in	Density: 12	-	Truck		Other (explain)
Specific Gravity (wa Layers: Container Type:	ter=1): <u>≥1</u> X Single-phase  X Drum	Density: 12	-	Truck		Other (explain)
Specific Gravity (wa Layers: Container Type:	ter=1): ≥1  X Single-phase  X Drum  Box in  55Gal	Density: 12   Mul	lti-phase			
Specific Gravity (wa Layers: Container Type:	ter=1): <u>≥1</u> X Single-phase  X Drum  Box in	Density: 12 Mul	lti-phase	Truck ————		Other (explain) ——— Yearly
Specific Gravity (wa Layers: Container Type: Container Size:	ter=1): ≥1  X Single-phase  X Drum  Box in  55Gal   Weekly	Density: 12   Mul	lti-phase			
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (co	ter=1): ≥1  X Single-phase  X Drum  Box in  55Gal   Weekly  ntainers): 6	Density: 12 1  Multiple Monthly  X Monthly Other:	lti-phase			
Specific Gravity (wat Layers:  Container Type: Container Size:  Frequency:	ter=1): <u>&gt;1</u> X Single-phase  X Drum  Box in  55Gal  Weekly  ntainers): 6	Density: 12 1  Mul  Tote  X Monthly Other: _ SQ4891	lti-phase			
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (context of Units) Texas State Waste Context of Units (context of Units)	ter=1): ≥1  X Single-phase  X Drum  Box in  55Gal  Weekly  ntainers): 6  Code No: CE  hipping Name:	Density: 12 1  Mul  Tote  X Monthly Other: _ SQ4891	lti-phase	Quarterly		Yearly
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (container State Waste Container State Waste Waste Container State Waste Waste Waste Waste Waste Waste Waste Waste Waste Waste Waste Waste Waste Waste	ter=1): <u>&gt;1</u> X Single-phase  X Drum  Box in  55Gal  Weekly  ntainers): 6	Density: 12 1  Mul  Tote  X Monthly Other: _ SQ4891	lti-phase			
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (context of Units) Texas State Waste Context of Units (context of Units)	ter=1): ≥1  X Single-phase  X Drum  Box in  55Gal  Weekly  ntainers): 6  Code No: CE  hipping Name:	Density: 12 1  Mul  Tote  X Monthly Other: _ SQ4891	lti-phase	Quarterly		Yearly
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (container State Waste Container U.S. DOT Should Class:  N/A	ter=1): >1  X Single-phase  X Drum  Box in 55Gal  Weekly  ntainers): 6  Tode No: CE  uipping Name:  UN/NA	Density: 12 1  Multiple Multiple Monthly Other: _ SQ4891 Non DOTA:	Regulated	Quarterly PG: N/A		Yearly  RQ: N/A
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (context of Units) Texas State Waste Context of Units (context of Units)	ter=1): ≥1  X Single-phase  X Drum  Box in  55Gal  Weekly  ntainers): 6  Code No: CE  hipping Name:	Density: 12 1  Multiple Multiple Monthly Other: SQ4891  Non DOT  N/A  Reactive Sulfie	Regulated	Quarterly PG: N/A		Yearly  RQ: N/A  Solids
Specific Gravity (was Layers:  Container Type: Container Size:  Frequency: Number of Units (container State Waste Container U.S. DOT Should Class:  N/A  Flash Point	ter=1): ≥1  X Single-phase  X Drum  Box in  55Gal   Weekly  ntainers): 6  Tode No: CE  upping Name:  UN/NA	Density: 12 1  Multiple Multiple Monthly Other: _ SQ4891 Non DOTA:	Regulated	Quarterly PG: N/A		RQ: N/A  Solids 100%

#### **SECTION 4: Physical and Chemical Data**

	COMPUNENTS TABLE	Concentration	Units
	The waste consists of the following materials	Ranges are acceptable	or %
Oil		2-5	%
Diesel		0-5-	%
Dirt		95-98	%

SECTION 5: Safety Related Data	
If the handling of this waste requires the use of speci $NA$	al protective equipment, please explain.

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metats:	MA	
TCLP Volatiles:	NA	
TCLP Semi-Volatiles:	NA	
Reactivity:	NA	
Corrosivity:	N <sup>†</sup> /A	
Ignitability:	NA	•

### SECTION 9: Generator's Certification

omissions of composition properties exist and that all known or tested are representative of all materials described by this docume	suspected hazards have been disclosed. I certify that the materizent
Authorized Signature:	Date: 6/9/06
Printed Name/Title: MARCIS B. AND GREAT E	NVIRAMMENTAL DIRECTOR
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	•
Compliance Officer: Robban Blogs A	Additional Information:
Date: 7-5-06 Approved Rejected	15
Approval Number: 1659	

The information contained herein is based on separator knowledge and/or analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES X  NO
If '	Yes', complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	els Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils !	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
	Wastewater from organic chemical product operations  Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L i: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organica Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



August 3, 2007

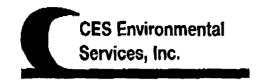
RE: Williams Brothers

Dear Dan Bowman,

Please include various locations for Williams Brothers dirt contaminated with diesel & oil profile #1659. If you have any questions please give myself or Zac a call.

Thank you,

Traci Fisher



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

CES Waste Approval #: HOU-1659

Customer:

**CKG Services Conroe** 

Waste Generator:

Williams Brothers

Waste Stream Name:

Dirt contaminated with diesel and oil

**Expiration Date:** 

7/5/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please sumbit results of the following tests.

The following analysis is required for recertification.

Please send new profile as waste stream

has changed.

TCLP Metals

TCLP Volatiles

TCLP Semi-volatiles

Reactivity

Corrosivity

Ignitability

Signature

15Com

Date

KMCO, INC. 151





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 8/17/2006

Dear Bill Glushko

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1764

Generator: KMCO, Inc.

Address: 16503 Ramsey Rd.

Crosby, TX 77532

#### Waste Information

Name of Waste: Recyclable recovered and slop oils

TCEQ Waste Code #: Product

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oils recovered from production of lube oils and additives.

Color: dark

Odor: hydrocarbon

**pH:** 4-11

**Physical State:** 

Incompatibilities: oxidizers, strong acids, strong bases

Safety Related Data/Special Handling:

Gloves, safety glasses, hard hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

Company:	ator Information	,				
	KMC0	0 DI	<del> </del>			
Address:	16503 Ramsey Rd.					
City, State, Zip: Contact:	2 - 11 - 6 1	Crosby TX 7	フタ3 2 Title:	6 M		
Contact: Phone No:	Bill G11	ushb-0	_ Title: Fax No:	Env. Mgr.		
Phone No: 24/hr Phone:			_ rax No:			
U.S. EPA I.D. No:	78) - 635	-1117	_			
State I.D.	NIA		SIC Code:	MA		
State 1.D.	NIB		- SIC Couc.	NIM-		
SECTION 2: Billing	Toformation _	Kama as Ahaya		•		
Company:	Illioi mation – La	same as Above				
Address:	<del></del>					
City, State, Zip:			<del></del>			
Contact:		Title:				
Phone No:		Fax No:				
		INALIVI				
SECTION 3: Gener	al Description of the	a Wasta				
SECTION 3. General	al Description of the	<u>z waste</u>				
Name of Waste: Rec				·		
Detailed Description	of Process Generat	ing Waste: Oils recovered f	rom production	of lube oils and additives		
D1 1 04.4	<b>∇</b> 7 <b></b> 3		¬ ъa			
Physical State:	∠ Liquid     √	☐ Sludge ☐	<b>」 Powder</b>			
	☐ Solid	Filter Cake	Combination	1		
Calana dada						
Color: dark	•	Odor: <u>hydrocarbon</u>				
~ .~ ~		12				
Specific Gravity (was	ter=1): .75 to .89	Density:   lbs/gal				
	· · · · · · · · · · · · · · · · · · ·	•				
I GNAPO.	_	□ Multi_nhasa				
Layers:	⊠ Single-phase	☐ Multi-phase				
•	⊠ Single-phase	•	Truck	Other (explain)		
Container Type:	<ul><li>☑ Single-phase</li><li>☑ Drum</li></ul>	☐ Multi-phase	Truck	Other (explain)		
•	⊠ Single-phase	•	Truck	Other (explain)		
Container Type:	<ul><li>☑ Single-phase</li><li>☑ Drum</li></ul>	•	Truck	Other (explain)		
Container Type: Container Size:	<ul><li>☑ Single-phase</li><li>☑ Drum</li></ul>	•	Truck —— Quarterly	☐ Other (explain) ——— ☐ Yearly		
Container Type: Container Size: Frequency:	<ul><li>Single-phase</li><li>□ Drum 6000</li><li>□ Weekly</li></ul>	☐ Tote ⊠ ——— ☐ Monthly □		<u> </u>		
Container Type: Container Size: Frequency: Number of Units (con	<ul> <li>Single-phase</li> <li>□ Drum</li> <li>6000</li> <li>□ Weekly</li> <li>ntainers): <u> </u></li></ul>	☐ Tote		<u> </u>		
Container Type: Container Size: Frequency: Number of Units (context) Texas State Waste C	<ul> <li>Single-phase</li> <li>Drum 6000</li> <li>Weekly ntainers):</li></ul>	☐ Tote ⊠  ☐ Monthly ☐  Other:  ot applicable - Product		<u> </u>		
Container Type: Container Size: Frequency: Number of Units (con	<ul> <li>Single-phase</li> <li>Drum 6000</li> <li>Weekly ntainers):</li></ul>	☐ Tote		<u> </u>		
Container Type: Container Size: Frequency: Number of Units (context State Waste Context Proper U.S. DOT Sh	<ul> <li>Single-phase</li> <li>Drum 6000</li> <li>Weekly ntainers):</li></ul>	☐ Tote		Yearly RO: / 4		
Container Type: Container Size: Frequency: Number of Units (context State Waste Context Proper U.S. DOT Sh	Single-phase  □ Drum 6000  □ Weekly ntainers): □ ode No: No ipping Name:	☐ Tote	Quarterly	Yearly		
Container Type: Container Size;  Frequency: Number of Units (context of Conte	Single-phase  □ Drum 6000  □ Weekly ntainers):i code No:No ipping Name:  UN/N	☐ Tote ☐ Monthly ☐ Other: ☐ ot applicable ☐ not applicable ☐ A:	Quarterly PG: _//	Yearly  RQ: NA		
Container Type: Container Size:  Frequency: Number of Units (context) Texas State Waste Context Proper U.S. DOT Shood Class:	Single-phase  □ Drum 6000  □ Weekly ntainers): ode No:No ipping Name:  UN/N	☐ Tote ☐ Monthly ☐ Other: ☐ ot applicable ☐ not applicable ☐ A: ☐ A ☐ Reactive Sulfides	PG: _//	Yearly  RQ: NA		
Container Type: Container Size;  Frequency: Number of Units (context of Conte	Single-phase  □ Drum 6000  □ Weekly ntainers):i code No:No ipping Name:  UN/N	☐ Tote ☐ Monthly ☐ Other: ☐ ot applicable ☐ not applicable ☐ A:	Quarterly PG: _//	Yearly  RQ: NA		

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Lube oils	65-85%	
Lube Oil Additives	5-20%	
water	2-10%	
viscosity improvers	2-10%	

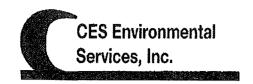
Water		2-10%	
viscosity improvers		2-10%	
-			
	W		
SECTION 5: Safety Re	elated Data	P	
	aste requires the use of special protecti		
- Gloves, S	safety glasses, Hand Hat	<del>-</del>	
SECTION 6: Attached	Supporting Documents		
List all documents, note	s, data, and/or analysis attached to this	form as part of the waste approval packa	age.
N/A	•		8
SECTION 7: Incompat	ibilities		
Please list all incompati oxidizers, strong acids, st			
<b>SECTION 8: Generato</b>	r's Knowledge Documentation		
Lahoratory analysis of	the hazardous waste characteristics list	ted below, WAS NOT PERFORMED base	ed upon the following
generator knowledge:	the hazardous waste characteristics, his	icd below, WAS NOT I EXPONITED base	ed upon the following
g			
TCLP Metals:	<u>n/a</u>		
TCLP Volatiles:	<u>n/a</u>		
TCLP Semi-Volatiles:	<u>n/a</u>		
Reactivity:	<u>n/a</u>		
Corrosivity:	n/a		
Ignitability:	<u>n/a</u>		
SECTION 9: Generato	r's Certification		
		edge and/or  analytical data. I hereby ce	artify that the above and
		knowledge and ability to determine that	
		suspected hazards have been disclosed. I c	
	of all materials described by this documen		ording man and management
Authorized Signature: _	•		
Authorized Signature.	· · · · · · · · · · · · · · · · · · ·	Date. <u>0 /</u>	
Printed Name/Title:	Not Applicable	<u> </u>	
	<b>₹</b>   <b>f</b>		
CEC LICE ON N (DO NOT II	ADMED IN THIS CIDA CIDA	· · · · · · · · · · · · · · · · · · ·	
CES USE ONLY (DO NOT W	(RITE IN THIS SPACE)		
Compliance Officer:	Oblight Character de	Additional Information: This matt	ial is
PRT T		product to be purchased !	by CES.
Date: 1784 8-	17-06 (Approved ) Rejected	Party To be provided	1004 000
Approval Number:	2 17611	Logal Pairs thought	2 2 2 2 2
Approvar Number.	1 VOL	The first pour la se	C
		- I'' Job Comments	7**
		age lemant	

<u>SE</u>	CCTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES   NO
If	'Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A -
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils !	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcar				
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.			
-	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L		
(3)		If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.		
		Metals Subcategory		
		Oils Subcategory		
		Organics Subcategory		

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

### Waste Profile Re-Certification Form

CES Waste Approval #: -1764

Customer:

KMCO, Inc.

Waste Generator:

KMCO, Inc.

Waste Stream Name:

Recyclable recovered oil and slop oils

**Expiration Date:** 

8/17/2008

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please sumbit results of the following tests.

The following analysis is required for recertification.

Please send new profile as waste stream

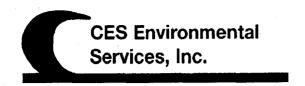
has changed.

Reactivity

Corrosivity

**TCLP Metals TCLP Volatiles** TCLP Semi-volatiles

Ignitability



## Waste Pre-Acceptance/Approval Letter

Date 7/25/2006

Dear Ronnie Reeves

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1696

Generator: Clean Coast Technologies/ASCO

Address: 1755 Federal Road

Houston, TX 77015

#### **Waste Information**

Name of Waste: Rags and pads contaminated with pipeline and valve pressure t

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Rags and pads used to clean up material used to pressure test pipelines and valves on nev

and rebuilt equipment

Color: greenish blue and whit Odor: glycol pH: 8-10

**Physical State:** 

**Incompatibilities:** Oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

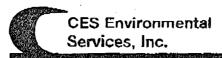
Matt Bowman, President CES Environmental Services, Inc. JUL-24-2006 13:10

CES Environmental Service

713 676 1676

P.02

**2**1002/005



CLEAN COAST

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

States were the transfer and the state of th		one and the second seco	er commence de la lace de la communicación de			
SECTION 1: Gene				<i>e</i> • • • • • • • • • • • • • • • • • • •		
Company:	Clean Coast Tech					
Address:	1755 Federal Roa					
City, State, Zip:	Houston, TX 770	015	***************************************			
Contact:	Ronnie Recves		Title:	Project Manager		
Phone No:		ell: 281-924-0824	Fax No:	713-378-0404		
24/hr Phone:	CES-713-676-14	60				
U.S. EPA I.D. No:	NA			A A		
State I.D.	NA		51C Code:	NA		
SECTION 2: Billin						
Company:	Clean Coast Techno					
Address:	1041 Thomas Aven					
City, State, Zip:	Pasadena, TX 7750					
Contact:	Ronnie Reeves	Title:	Project Manag			
Phone No:	713-378-0000 cell:	281-924-0824 Fax No:	713-378-0404			
SECTION 3: Gene	ral Description of t	ne Waste				
Name of Waste: Rags and Pads Contaminated with Pipeline and valve pressure test fluid  Detailed Description of Process Generating Waste: Rags and Pads used to clean up material used to pressure test pipelines and valves on new and rebuilt equipment						
Dhaminal Cantas	- Linnid	Cludes	T transfer			
Physical State:	Liquid	Sludge	∐ Powder			
	Solid Solid	Filter Cake	Combination	n ,		
Color: Greenish Blue	Color: Greenish Blue, white and Grey Odor: glycol					
Specific Gravity (wa	ter=1): <u>1.3</u>	Density: 10 lbs/gal				
Layers:	Single-phase	Multi-phase				
Container Type:	Drum	Tote	Truck	Other (explain)		
Container Size:		<del></del>		Cinci (expinity)		
Container Size:		<u>250</u>				
Frequency:	□ Weekly	☐ Monthly	Quarterly			
Number of Units (co	ntainers): 1	Other:				
Texas State Waste C		A-Recyclable Material				
			DOT Remulated Ma			
Proper U.S. DOT SI			DOT Regulated Ma			
Class: NA	UN/I	NA: NA	PG: NA	RQ: NA		
Flash Point	рН	Reactive Sulfides	Reactive C	yanides Solids		
>200	8-10	Onig/I	Omg/I	95-100%		
Qil&Grease	TOC	Zinc	Copper	Nickel		
>1E00ma/l	>1500-04	Operati	Copper	Oma/I		

JUL-24-2005 13:10

CES Environmental Service

713 676 1676

P.03

#### SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Glycol Contaminated Rags and Pads	95-98	%
Ethylene Glycol	2-5	1%
Ethylene Glycol butyl ether	0-1	%
Water _	1-5	%

#### SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

#### SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS

#### SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

#### SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	X
Reactivity:	
Corrosivity:	X
Ignitability:	X

#### SECTION 9: Generator's Certification

1	The information contained herein is based on   generator knowledge and/or attached description is complete and accurate to the best of my knowledge omissions of composition properties exist and that all known or suspected ha tested are representative of all materials described by this document.  Authorized Signature:  Printed Name/Title:	and ability to determine that no deliberate or w	/illful
	CES USE ONLY (DO NOT WRITE IN TILIS SPACE)		$\neg$
i	Compliance Officer: Palhah Bhand Additiona	Il Information:	-
	Date: 7-25-06 Approved Rejected	REC	
	Approval Numbers		1



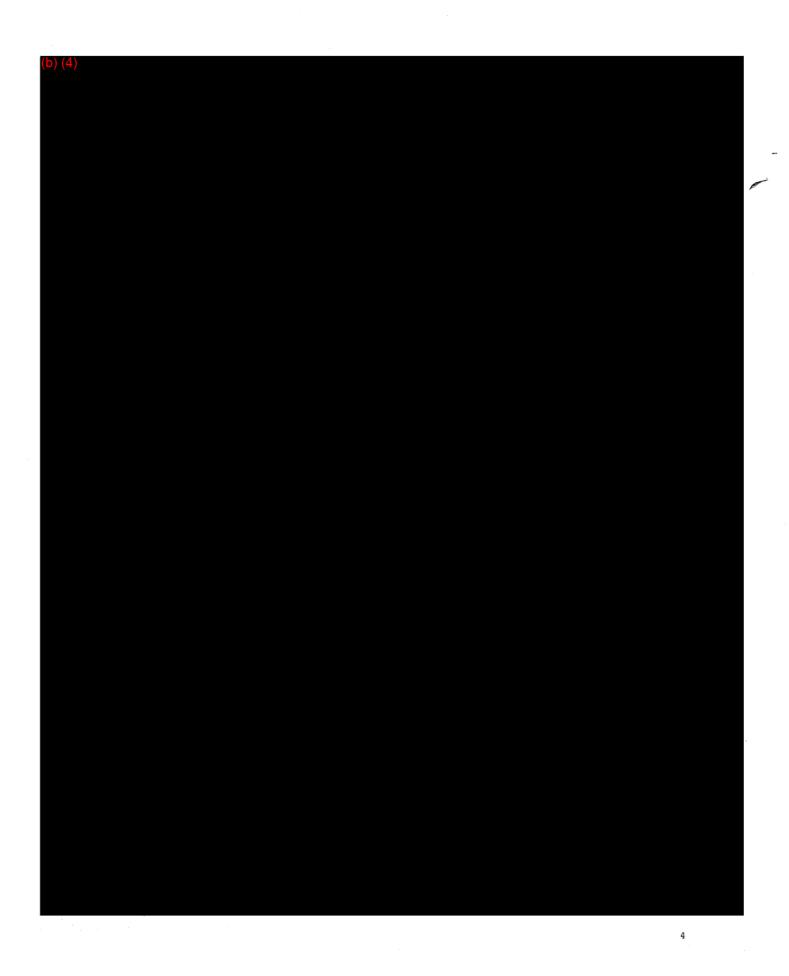
1 0 -

223 N. Brockman - Pasadena, TX 77506 Telephone (713)472-5081 - FAX (713)472-2440



(b) (4)	

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(b) (4)	

(b) (4)		



1 0 Health Flammability Reactivity Other

223 N. Brockman - Pasadena, TX 77506 Telephone (713)472-5081 - FAX (713)472-2440





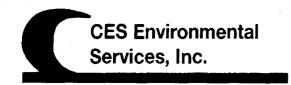




(b) (4)	

(b) (4)		

1691 T-3 Energy, Preferred Industries



### Waste Pre-Acceptance/Approval Letter

Date 7/25/2006

Dear Lance Robbins, Sean

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1691

**Generator:** T-3 Energy, Preferred Industries **Address:** 14710 Cypress N. Houston Road

Cypress, TX 77429

### Waste Information

Name of Waste: Sump sludge TCEQ Waste Code #: CESQ6031

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Removal of oily sludge from cleaning rack sump, various metal parts are cleaned in this location before processing

Color: black

Odor: oil like

pH: neutral

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

## CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator Information						
Company:	T-3 Energy Services (Cypress)						
Address:	14710 Cypress N	. Houston Road					
City, State, Zip:	Cypress, TX 774	29					
Contact:	Sean Doerflinger		Title:	Manager			
Phone No:	832-237-0561 C	ell: 713-261-2879	Fax No:	832-237	-0546		
24/hr Phone:	CES- 713-676-1		<del></del>				
U.S. EPA I.D. No: 7					f .		
State I.D.	CESQG		SIC Code:	$\wedge$	1A		
SECTION 2: Billing	Information – 🛛	Same as Above					
Company:							
Address:							
City, State, Zip:							
Contact:		Title:					
Phone No:		Fax No	3.				
			·				
SECTION 3: Gener	al Description of th	ne Waste					
DECEMBER 1	W. S. C. C. Ipologi of C.						
Name of Waste: Sur	np Sludge						
		ting Waste: Removal of	oily sludge from cle	aning rack	sump, various metal parts are		
cleaned in this locatio							
Physical State:	Liquid		Powder				
,	☐ Solid	Filter Cake	Combination	n			
	Sonu	I FINCI CARE	Comomation	11			
Color: Black		Odor: Oil like					
Color: Diack		Odor. On like					
Cassifia Cassifu (ma		Donaitus 12 lha/aal					
Specific Gravity (wa	ter=1): <u>1.5</u>	Density: 12 lbs/gal					
<b>-</b>		57 N/ 1/2					
Layers:	Single-phase	Multi-phase	e				
o	□ -	[] m			04 - (1-2-)		
Container Type:	⊠ Drum	Tote	Truck	Ш	Other (explain)		
Container Size:	<u>55 gal.</u>						
Eragnanava	☐ Weekly	☐ Monthly	Quarterly		Yearly		
Frequency:		•	23 Quarterly	لــا	I Cally		
Number of Units (cor	•	Other:					
Texas State Waste Co	ode No: C	ESQ6031					
Proper U.S. DOT Shi	ipping Name:	Non-RCRA; Non-	DOT Regulated Ma	terial			
Class: NA	UN/N	A: NA	PG: NA	*	RQ: NA		
CIASS: NA	UN/IN	A. NA	IG: NA		Ky. IVA		
			<del>~~</del>		· <del>· · · · · · · · · · · · · · · · · · </del>		
Flash Point	рH	Reactive Sulfides	Reactive Cy	anides	Solids		
>140	neutral	Omg/l	Omg/I	#IIIMC2	80-95%		
Oil&Grease	TOC	Zinc	Copper	Nic			
>1500mg/l	>1500mg/l	Omg/l	Omg/I	Om			

#### **SECTION 4: Physical and Chemical Data**

<b>COMPONENTS FABILI</b>	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Clay Absorbent	0-20	%	
Oil and Grease	40-60	%	
Dirt and soil	0-10	%	
Water	20-30	%	
Trash, debris etc.	0-10	%	

#### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Level  $\underline{D}$ 

### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Analysis of sump sludge that contains the same oil and coolant at higher percentages

SECTION 7: Incompatibilities							
Please list all incompatibilities (if any): oxidizers							
SECTION 8: Generator's Knowledge Documentation							
Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:							
TCLP Metals:							
SECTION 9: Generator's Certification							
The information contained herein is based on $\boxtimes$ generator knowledge and/or $\boxtimes$ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful purissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials rested are representative of all materials described by this document.							
Authorized Signature: Xeas Deft Date: 7/21/06							
Printed Name/Title: 5EAH DERFLINGER QUEST MANAGER							
Ces use only (do not write in this space)  Compliance Officer: Rolland Additional Information:							
Approval Number: 169 Approved Rejected USL							

SE	CCTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES NO
If	'Yes', complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ds Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Organ</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the v	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.		
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.		
	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L :: 4.9 mg/L 37.5 mg/L		
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, nickel above any of the values listed above, the waste should be classified in the organics subcategory.				
		Metals Subcategory		
		Oils Subcategory		
		Organics Subcategory		

### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# This PDF File was created for you as a service of Severn Trent Laboratories

## PRELIMINARY REPORT

STL - Houston 6310 Rothway Street Houston, TX. 77040 (713) 690-4444

### ANALYTICAL REPORT

JOB NUMBER: 304654 Project ID: SUMP WASTE

Prepared For:

T3 Energy Services 7135 Ardmore Houston, TX 77054

Attention: Ralph Castillo

Date: 10/28/2005

### Signature

Name: Sean V. Sundquist

Title: Project Manager III

E-Mail: ssundquist@stl-inc.com

### Date

Severn Trent Laboratories 6310 Rothway Drive Houston, TX 77040

PHONE: 713-690-4444

## SAMPLE INFORMATION Date: 10/28/2005

Job Number:: 304654 Customer..: T3 Energy Services Attn....: Ralph Castillo

Project Number.....: 99002917 Customer Project ID...: SUMP WASTE Project Description...: General Analytical

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
304654-1	SUMP1 T3-CYPRESS SUMP1	Sludge	10/21/2005	09:15	10/22/2005	08:10
304654-2	SUMP2 T3-CYPRESS SUMP2	Sludge	10/21/2005	09:18	10/22/2005	08:10
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LABORATORY TEST RESULTS

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP1 T3-CYPRESS SUMP1 Date Sampled.....: 10/21/2005
Time Sampled.....: 09:15
Sample Matrix....: Sludge

Laboratory Sample ID: 304654-1
Date Received....: 10/22/2005
Time Received....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0	l	10.0	mg/Kg	10/25/05	tws
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0	1 1	50.0	mg/Kg	10/25/05	tws
SW-846 9045C	Soil pH, Soil	7.20	 	0.01	pH Units	10/27/05	sur
ASTM D92-85 SW-846 1311	Flash & Fire Points (Cleveland Open Cup) Ignitability (Flashpoint), Soil TCLP Semi-Volatiles Analysis, Solid	>212 Complete	r       	·    -  -	degrees F	10/26/05 10/24/05	
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete	 	1	) 	10/24/08	sso
SW-846 6010B	Arsenic (As), TCLP	ND	 	0.100	mg/L	10/25/05	twr
SW-846 6010B	Barium (Ba), TCLP	2.45	 	0.100	mg/L	10/25/05	twr
SW-846 6010B	Cadmium (Cd), TCLP	0.421	i I	0.100	mg/L	10/25/05	twr
SW-846 6010B	Chromium (Cr), TCLP	ND	 	0.100	mg/L	10/25/05	twr
SW-846 6010B	Lead (Pb), TCLP	0.206	 	0.100	mg/L	10/25/05	twr
SW-846 6010B	Selenium (Se), TCLP	ND	i I	0.200	mg/L	10/25/05	twr
SW-846 6010B	Silver (Ag), TCLP	ND	 	0.100	mg/L	10/25/05	twr
SW-846 7470A	Mercury (Hg), TCLP	ND		1.00	l ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete				10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP Separatory Funnel Liq/Liq Extraction, TCLP	Complete			 	      10/26/05	      mra
SW-846 8270C	Semivolatile Organics 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Hexachlorobutadiene, TCLP Hexachloroethane, TCLP Nitrobenzene, TCLP 2-Methylphenol (o-Cresol), TCLP 4-Methylphenol (p-Cresol), TCLP Pentachlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4,6-Trichlorophenol, TCLP Pyridine, TCLP	ND ND ND ND ND ND 178 ND ND ND		16.7 16.7 16.7 16.7 16.7 16.7 16.7 83.4 16.7 16.7 33.3	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05	acn acn acn acn acn acn acn acn
SW-846 8260B	Volatile Organics Benzene, TCLP	ND	. 1	100	ug/L	10/26/05	l1

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP1 T3-CYPRESS SUMP1 Date Sampled....: 10/21/2005
Time Sampled....: 09:15
Sample Matrix...: Sludge

Laboratory Sample ID: 304654-1
Date Received.....: 10/22/2005
Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECI
	Carbon Tetrachloride, TCLP Chlorobenzene, TCLP Chloroform, TCLP 1,4-Dichlorobenzene, TCLP 1,2-Dichloroethane, TCLP 1,1-Dichloroethene, TCLP Tetrachloroethene, TCLP Trichloroethene, TCLP Vinyl Chloride, TCLP Methyl Ethyl Ketone (2-Butanone), TCLP	ND ND ND ND ND ND ND ND ND ND ND ND ND N		100 100 100 100 100 100 100 100 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/26/05 10/26/05 10/26/05 10/26/05 10/26/05 10/26/05 10/26/05 10/26/05 10/26/05	yxl yxl yxl yxl yxl yxl yxl
			         		·    -  -		
			-         				

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY RESULTS

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP2 T3-CYPRESS SUMP2 Date Sampled....: 10/21/2005
Time Sampled....: 09:18
Sample Matrix...: Sludge

Laboratory Sample ID: 304654-2
Date Received.....: 10/22/2005
Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0	l	10.0	mg/Kg	10/25/05	tws
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0	l I	50.0	mg/Kg	10/25/05	tws
   SW-846 9045C	Soil pH, Soil	4.60	  -	0.01	pH Units	10/27/05	sur
SW-846 1311	TCLP Semi-Volatiles Analysis, Solid	Complete	i I	[ ]		10/24/05	lsso
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete	l I	] 	I	10/24/08	sso
SW-846 6010B	Arsenic (As), TCLP	ND	<u>.</u> !	0.100	mg/L	10/25/05	twr
SW-846 6010B	Barium (Ba), TCLP	2.94		0.100	mg/L	10/25/05	twr
SW-846 6010B	Cadmium (Cd), TCLP	0.649	i I	0.100	mg/L	10/25/05	twr
SW-846 6010B	Chromium (Cr), TCLP	ND	 	0.100	mg/L	10/25/05	twr
SW-846 6010B	Lead (Pb), TCLP	0.222	   	0.100	mg/L	10/25/05	twr
SW-846 6010B	Selenium (Se), TCLP	ND	i !	0.200	mg/L	10/25/05	twr
SW-846 6010B	Silver (Ag), TCLP	ND	!	0.100	mg/L	10/25/05	twr
SW-846 7470A	Mercury (Hg), TCLP	ND		1.00	ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete		i I ·		10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP Separatory Funnel Lig/Lig Extraction, TCLP	    Complete	 	 		10/26/05	mra
SW-846 8270C	Semivolatile Organics 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Hexachlorobentadiene, TCLP Hexachloroethane, TCLP Nitrobenzene, TCLP 2-Methylphenol (o-Cresol), TCLP 4-Methylphenol (p-Cresol), TCLP Pentachlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4,6-Trichlorophenol, TCLP Pyridine, TCLP	ND ND ND 128 ND ND ND ND ND ND ND ND ND ND ND ND ND	 	14.3 14.3 14.3 14.3 14.3 14.3 71.4 14.3 14.3 28.6	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05	acn acn acn acn acn acn acn acn
SW-846 8260B	Volatile Organics Benzene, TCLP Carbon Tetrachloride, TCLP Chlorobenzene, TCLP	ND ND ND		100 100 100	ug/L ug/L ug/L	  10/26/05  10/26/05  10/26/05 	yxl

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP2 T3-CYPRESS SUMP2 Date Sampled....: 10/21/2005
Time Sampled....: 09:18
Sample Matrix...: Sludge

Laboratory Sample ID: 304654-2 Date Received.....: 10/22/2005

Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE TE
	Chloroform, TCLP 1,4-Dichlorobenzene, TCLP 1,2-Dichloroethane, TCLP 1,1-Dichloroethene, TCLP Trichloroethene, TCLP Trichloroethene, TCLP Vinyl Chloride, TCLP Methyl Ethyl Ketone (2-Butanone), TCLP	ND ND ND ND ND ND ND ND	           	100 100 100 100 100 100 100 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/26/05 yx 10/26/05 yx 10/26/05 yx 10/26/05 yx 10/26/05 yx 10/26/05 yx 10/26/05 yx 10/26/05 yx
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<sup>\*</sup> In Description = Dry Wgt.

		Job Number.	<b>:</b> 304654	QUALITY	CONTRO	L RESUL		Date.: 10/	28/20	05	
CUS	STOMER: T3	Energy Serv	ices	PROJ	ECT: SUMP WASTI	<b>ေ</b> ချနံနေတာ့ အောင်မှ အေ	ATIN:	Ralph Casti	110	Prini	¥ Ni
Met	thod Descri		M D92-85 sh & Fire Points itability (Flash			d	egrees F		øst Code.	: nmc : IGNPMC	
QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F	Date	Time
DÜ	304569-1		>212			>212	0.0	10.0	1	0/26/2005	1000
Met	hod Descri		846 7.3 ctivity, Cyanide ctivity, Cyanide			: m	g/L		st Code.	: tws : REACCN	
QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F	Date	Time
MB DU	14103821 14103821 304569-1 304569-1		75.18 0 0		1000	0 0	7.5 0 7	0.00-200. 10	10	0/25/2005 0/25/2005 0/25/2005	1200 1200
Tes Met	st Method		73.24  846 7.3  ctivity, Cyanide ctivity, Sulfide			m			st	: tws : REACS	
QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F	Date	Time
	14103821 14103821		1010.2		1591.84		63.5	0.00-200.		0/25/2005 0/25/2005	
DÜ	304569-1 304569-1	WCS36889	0 438.78		1591.84	0 0	0 29	50 0 <b>-</b> 100	10	0/25/2005 0/25/2005 0/25/2005	1200
Met	hod Descri	: SW- ption.: Soi : Soi	l pH measured in	water	Units Batch(s	: pi s): 141268	i Units		st: Code.:	sur 9045B	
œ	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	Limits	F	Date	Time
CCV CCV	14126821 304800-1 304511-1	WC3373 WC3373 WC3373	6.99 6.99 6.99 7.35 7.38	:	7.0 7.0 7.0	7.36 7.37	99.9 99.9 99.9 0.1 0.1	99.0-101. 99.0-101. 99.0-101. 1	10 10 10	0/27/2005 0/27/2005 0/27/2005 0/27/2005 0/27/2005	1645 1645 1645

	Job Number.: 304654	QUALITY	CONTRO	L RE	ESUL	TS	Repor	t Date.: 10/	28/2005		
CUSTOME	R: T3 Energy Services	PROJE	CT: SUMP WASTE	ilise y			ATTN:	Ralph Casti	llo	14.4	1.4
QC Type	e Description	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Reag. Code	e	Lab	ID	Dilu	tion Factor	Date	Т	ime.
	thod: SW-846 7470A Description.: Mercury (CVAA)		Units Batch(s			g/L		Analy	st: d	cl	
ссв	Continuing Calibration Blar	ık .						i in a said	10/26/	2005	1119
. 1	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	Lt * L	imits	F
Mercury (A	Hg)	-0.0065387									
CCB	Continuing Calibration Blar	ık					i i jirkir		10/26/	2005	1138
I	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	t * L	imits	F
Mercury (A	Hg)	0.01990520	·								
CCB	Continuing Calibration Blar	ık							10/26/	2005	1157
I	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * L	imits	F
lercury (H	lg)	0.01140038				_		<del></del>	<del></del>		
CCB	Continuing Calibration Blar	ık							10/26/2	2005	1214
E	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * L:	imits	F
Mercury (H	łg)	0.01722202					,				
CCV	Continuing Calibration Veri	fication	MSHGICV2						10/26/2	2005	1117
E	Parameter/Test Description	C Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * L	imits	F
ercury (F	lg)	3.17469560	-		3.00			105.8	90	0-110	.0
cav	Continuing Calibration Veri	fication	MSHGICV2				in the second		10/26/2	2005	1136
F	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Li	mits	F
ercury (H	lg)	3.18886165	······································		3.00			106.3	90.	0-110.	<u>.</u> o-
CCV	Continuing Calibration Veri	fication	MSHGICV2						10/26/2	2005 1	1155
P	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Li	mits	F
ercury (H	lg)	3.26886216			3.00			109.0	90.	0-110.	<u>.</u> 0

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	тѕ	Repor	t Date.: 10/	28/2005	
CUSTOM	ER: T3 Energy Services	PROJEC	CT: SUMP WASTE	14.0	House'		ATTN:	Ralph Casti	llo i si i	the second
QC Ty	pe Description		Reag. Cod	e	Lab	ID	Dilu	tion Factor	Date	Time
CCV	Continuing Calibration Ver	ification	MSHGICV2	ki in			. 838.33		10/26/2005	1212
	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
ercury	(Hg)	3.25815088			3.00			108.6	90.0-1	.10.0
CRA	Contract Required Detection	n Limit	MSHGICV2						10/26/2005	1115
	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
ercury	(Hg)	0.17804869			3.00			5.9	50.0-1	50.0
EB	Extraction Blank				141085	4.5			10/26/2005	1125
	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
ercury	(Hg)	-0.0219604				-				
EB	Extraction Blank				141085				10/26/2005	1127
	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
ercury	(Hg)	0.01377787								-
EB	Extraction Blank				141085				10/26/2005	1204
	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
ercury	(Hg)	0.05285686								
ICB	Initial Calibration Blank			8,1					10/26/2005	1114
	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
ercury	(Hg)	0.01722716							-	
ICA ]	Initial Calibration Verifi	cation	MSHGICV2		i i				10/26/2005	1111
	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
ercury	(Hg)	3.10705520			3.00			103.6	95.0-1	05.0
LCS	Laboratory Control Sample		MSHGTCV2		141085		-30	5.	10/26/2005	1123
<u> </u>	Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit:	s F
ercury	(Hg)	3.22947618			3.00			107.6	90.0-1	10.0

Page 8 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

·.	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	S	Report	Date.: 10/2	28/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE	(Juri			ATIN: H	Ralph Castil	10 10 10	
QC Туре	Description		Reag. Code	•	Lab	ID	Diluti	ion Factor	Date '	Time
MD	Method Duplicate				304609-1			Wakidi Wakidi	10/26/2005	1141
Para	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resul	t * Limits	F
ercury (Hg),	TCLP	0.01002880	0.00384602			0.	00384602	0.006182	0.20000	000
MD	Method Duplicate				304014-1				10/26/2005	1159
Para	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resul	t * Limits	F
Mercury (Hg),	Water	1.16023996	-0.0667680			-0	.0667680	1.227007	0.20000	000 C
MS	Matrix Spike		MSHGICV2		304609-1				10/26/2005	1143
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig. '	Value	Calc. Resul	t * Limits	F
ercury (Hg),	TCLP	2.85894292			3.00	0.0	00384602	95.2	75–12	5
MS	Matrix Spike		MSHGICV2		304014-1				10/26/2005	1200
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
ercury (Hg),	Water	1.30765961			3.00	-0	.0667680	45.8	75-12	5 a
MSD	Matrix Spike Duplicate		MSHGICV2		304609-1				10/26/2005	1145
Para	meter/Test Description	QC Result	QC Result	True	. Value	Orig. V	Value	Calc. Resul	t * Limits	F
ercury (Hg),	TCLP	2.83310428	2.85894292		3.00	0.0	00384602	94.3	75–125 20	5
MSD	Matrix Spike Duplicate		MSHGICV2		304014-1				10/26/2005	1202
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig. V	Value	Calc. Resul	t * Limits	F
ercury (Hg),	Water	2.96998358	1.30765961		3.00	-0.	.0667680	101.2	75 <b>-</b> 125	ā a
PB · · · ·	Prep. Blank				141085				10/26/2005	1121
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig. V	/alue	Calc. Resul	t * Limits	F
lercury (Hg)		0.01195031	-							

Page 9 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	S	Report	Date.: 1	0/28/	2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE	(			ATTN:	Vily is	1, 1	ala Allandi	昭
QC Type	Description		Reag. Cod	e	Lab	ID	Dilut	ion Facto	r	Date	Time
PDS	Post Digestion Spike		MSHGICV2		304609-1	and.			1	0/26/2005	1208
Para	meter/Test Description	QC Result	QC Result	True	- Value	Orig.	Value	Calc. Re	sult	* Limits	F
Mercury (Hg),	TCLP	3.77248505			3.00	0.	0038460	125.6		75-12	5 A
<b>S</b> 0	Calibration Blank				118 14 14 15 138 1883 1				1	0/26/2005	1057
Para	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Re	sult	* Limits	F
Mercury (Hg)		0		•							
S0.2	Calibration Standard		84.3.2%			4. K.			1	0/26/2005	1059
Para	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Re	sult	* Limits	F
Mercury (Hg)		0								_	
s0.5	Calibration Standard								1	0/26/2005	1101
Para	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Re	sult	* Limits	F
Mercury (Hg)		0	-								
S1.0	Calibration Standard								1	0/26/2005	1103
Para	meter/Test Description	QC Result	QC Result	True	• Value	Orig.	Value	Calc. Re	sult	* Limits	F
Mercury (Hg)		0									
S10.0	Calibration Standard								1	0/26/2005	1109
Para	meter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Re	sult	* Limits	F
Mercury (Hg)		. 0									
s2.0	Calibration Standard								1	0/26/2005	1104
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Re	sult	* Limits	F
Mercury (Hg)		0	<u></u> ,								
S5.0	Calibration Standard								10	0/26/2005	1107
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Res	sult	* Limits	F
Mercury (Hg)		0						-			

Page 10 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	T S	Repor	t Date.	: 10/2	3/2005	
CUSTOMER: T3	Energy Services	PROJEC	CT: SUMP WASTE	tra t	gara ka		ATTN:	Taga s			3 10 4
QC Type	Description		Reag. Code	9	Lab	ID	Dilu	cion Fa	ctor	Date	Time
SD	Serial Dilution				304609-	1	5		4	10/26/2005	1210
Paran	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc.	Resul	* Limit	s F
Mercury (Hg),	TCLP	0.00946219				0	.003846	02			
3	: SW-846 6010B ription.: Metals Analysis (IC	'AP Trace)			: m 141053 1				Analys	: twr	
CCB	Continuing Calibration Blan	k			¥.3\$.3			0.66		10/25/2005	0907
Param	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc.	Resul	* Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00223 -0.00011 0.00007 -0.00048 -0.00103 0.00162 -0.00030									
CCB	Continuing Calibration Blan	k								10/25/2005	0956
Param	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc.	Result	* Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00283 0.00017 0.00037 0.00312 -0.00237 0.00086 0.00265									
CCB	Continuing Calibration Blan	k								10/25/2005	1043
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc.	Result	* Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00301 -0.00011 0.00038 0.00055 -0.00187 -0.00171 0.00004							•		
CCB	Continuing Calibration Blan	k								10/25/2005	1304
Param Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr)	eter/Test Description	QC Result -0.00179 -0.00024 0.00060 0.00065	QC Result	True	Value	Orig.	Value	Calc.	Result	* Limit	s <u>F</u>

Page 11 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	YTILAUQ	CONTRO	L R	ESUL	r s	Report	t Date.: 10/2	8/2005	
CUSTOMER: T3	B Energy Services	PROJEC	T: SUMP WASTE			11 - 41 11	ATIN:			- 1 - 8 E
QC Type	Description		Reag. Code	е	Lab	ID	Dilu	tion Factor	Date	Time
ССВ	Continuing Calibration Blank								10/25/2005	1304
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Lead (Pb) Selenium (Se) Silver (Ag)		-0.00192 0.00080 -0.00056								
ССВ	Continuing Calibration Blank				je je jelj				10/25/2005	1510
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00271 -0.00006 0.00067 0.00118 0.00000 0.00477 0.00001								
CCV	Continuing Calibration Verif	ication	MS102005CC						10/25/2005	0903
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Barium (Cd) Chromium (Cr) Lead (Pb) Belenium (Se) Silver (Ag)		0.49296 0.50222 0.50277 0.51103 0.49848 0.49739 0.24853			0.500 0.500 0.500 0.500 0.500 0.500 0.25			98.6 100.4 100.6 102.2 99.7 99.5 99.4	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0
CCV	Continuing Calibration Verif	ication	MS102005CC						10/25/2005	0952
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
ursenic (As) Barium (Ba) Badmium (Cd) Chromium (Cr) Lead (Pb) Belenium (Se) Bilver (Ag)		0.49038 0.49908 0.50302 0.52313 0.49588 0.49453 0.24869			0.500 0.500 0.500 0.500 0.500 0.500 0.25			98.1 99.8 100.6 104.6 99.2 98.9 99.5	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0
CCV	Continuing Calibration Verifi	.cation	MS102005CC						10/25/2005	1039
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
ursenic (As) Harium (Ba) Hadmium (Cd) Chromium (Cr) Head (Pb) Helenium (Se)		0.48543 0.49222 0.50664 0.53195 0.50160 0.48874		× .	0.500 0.500 0.500 0.500 0.500 0.500			97.1 98.4 101.3 106.4 100.3 97.7	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0

	Job Number.: 304654	QUALITY	CONTROI	RE	SULT	s	Report	Date.: 10/28	/2005	
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE	1811 20			ATIN:			er e
QC Type	Description		Reag. Code	,	Lab 1	ID .	Dilut	ion Factor	Date	Time
ccv	Continuing Calibration Ver	fication	MS102005CC						10/25/2005	1039
Para	meter/Test Description	QC Result	QC Result	True V	alue	Orig.	Value	Calc. Result	* Limit	s F
Silver (Ag)		0.24771	*	. 0	.25			99.1	90.0-1	10.0
ccv	Continuing Calibration Ver	fication	MS102005CC						10/25/2005	1300
Para	meter/Test Description	QC Result	QC Result	True V	alue	Orig.	Value	Calc. Result	* Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.48737 0.48475 0.50407 0.52760 0.50045 0.48792 0.24702		0 0 0 0	.500 .500 .500 .500 .500 .500 .25			97.5 97.0 100.8 105.5 100.1 97.6 98.8	90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1	10.0 10.0 10.0 10.0 10.0
CCV	Continuing Calibration Veri	fication	MS102005CC						10/25/2005	1506
Para	meter/Test Description	QC Result	QC Result	True Va	alue	Orig.	Value	Calc. Result	* Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51303 0.49876 0.53506 0.52809 0.53097 0.50107 0.25197		0 0. 0. 0	.500 .500 .500 .500 .500 .500 .25			102.6 99.8 107.0 105.6 106.2 100.2	90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1	10.0 10.0 10.0 10.0 10.0
CH1	Calibration check standard	1	MS092605T1						10/25/2005	0847
Parar	meter/Test Description	QC Result	QC Result	True Va	alue	Orig.	Value	Calc. Result	* Limit:	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00750 0.00863 0.00510 0.01022 0.00689 0.00897 0.00451		0. 0. 0.	.0100 .0100 .00500 .0100 .0100 .0100			75.0 86.3 102.0 102.2 68.9 89.7 90.2	50.0-1 50.0-1 50.0-1 50.0-1 50.0-1 50.0-1	50.0 50.0 50.0 50.0 50.0
СНЗ	Standard check for ICAP		MS100505T3						10/25/2005	0835
Parar	meter/Test Description	QC Result	QC Result	True Va	alue	Orig.	Value	Calc. Result	* Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		1.99451 1.99566 1.00030 2.01040 1.99881 1.99739 0.99918		2. 1. 2. 2.	.00 .00 .00 .00 .00			99.7 99.8 100.0 100.5 99.9 99.9	95.0-10 95.0-10 95.0-10 95.0-10 95.0-10 95.0-10	05.0 05.0 05.0 05.0 05.0

Page 13 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTROL RESULTS					Report Date.: 10/28/2005				
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE	- P., S.	gar gari	k diji	ATTN:		s period	N W		
QC Type Description			Reag. Code		Lab ID		Dilution Factor		Date	Time		
CRI	Contract Required Detection	n Limits	MS100505CR						10/25/2005	0851		
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	Lt * Limits	s F		
Arsenic (As) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.01561 0.01028 0.02141 0.00441 0.01301 0.02042			0.0200 0.010 0.0200 0.0060 0.010 0.0200			78.0 102.8 107.0 73.5 130.1 102.1	50.0-15 50.0-15 50.0-15 50.0-15 50.0-15	50.0 50.0 50.0 50.0		
EB	Extraction Blank				140987-1				10/25/2005	1434		
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F		
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00674 0.00501 0.00072 0.00125 -0.00210 0.00488 -0.00011										
EB	Extraction Blank				140987-4				10/25/2005	1458		
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	· F		
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00115 0.00941 0.00049 0.00230 -0.00252 0.00122 0.00127				operation of the second						
ICB	Initial Calibration Blank	85.5 July 100 V							10/25/2005	0843		
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F		
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00084 0.00018 0.00028 0.00227 -0.00232 0.00012 0.00229										

	Job Number.: 304654	QUALITY	CONTROI	RESUI	TS	Report	Date.: 10/28	3/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE			ATTN:			4.54
QC Type	Description		Reag. Code	La	Lab ID		Dilution Factor		ime
ICV	Initial Calibration Verific	cation	MS102005CC			1000		10/25/2005	0839
Para	meter/Test Description	QC Result	QC Result	True Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49769 0.50439 0.50012 0.50469 0.49552 0.50041 0.24687		0.500 0.500 0.500 0.500 0.500 0.500 0.500			99.5 100.9 100.0 100.9 99.1 100.1 98.7	95.0-105 95.0-105 95.0-105 95.0-105 95.0-105 95.0-105 95.0-105	.0
ISA	Interference Check Sample 1	4	MS100505IA					10/25/2005	0855
Parar	meter/Test Description	QC Result	QC Result	True Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00278 0.00135 -0.00061 0.00556 0.01106 0.02005 0.00019		0.0 0.0 0.0 0.0 0.0 0.0					
ISB	Interference Check Sample I	37.	MS100505IB					10/25/2005	0859
Parar	meter/Test Description	QC Result	QC Result	True Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.97597 1.05638 0.49294 1.06614 1.03349 0.98937 0.55617		1.00 1.00 0.500 1.00 1.00 1.00 0.500			97.6 105.6 98.6 106.6 103.3 98.9 111.2	80.0-120 80.0-120 80.0-120 80.0-120 80.0-120 80.0-120 80.0-120	.0 .0 .0
ĹĊS	Laboratory Control Sample	and the second	MSPIKE3					10/25/2005	0917
Paran	meter/Test Description	QC Result	QC Result	True Value	Orig. V	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.95926 0.95173 0.48071 0.98696 0.95710 0.97987 0.47844		1.00 1.00 0.500 1.00 1.00 1.00 0.500			95.9 95.2 96.1 98.7 95.7 98.0 95.7	85.0-115 85.0-115 85.0-115 85.0-115 85.0-115 85.0-115	.0 .0 .0

Page 15 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	rs	Report Date.: 10/28/2005				
CUSTOMER: T3 Energy Services	PROJEK	CT: SUMP WASTE		rainty (act)	Sal Ind	ATTN:				
QC Type Description	n	Reag. Cod	e	Lab	ID	Dilut	ion Factor	Date 1	Time	
Laboratory Control Sample		MSPIKE3		141005				10/25/2005	1430	
Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F	
rsenic (As) arium (Ba) admium (Cd) hromium (Cr) head (Pb) helenium (Se) ilver (Ag)	0.98926 0.95112 0.51103 1.03003 1.01742 0.97576 0.49256			1.00 1.00 0.500 1.00 1.00 1.00 0.500			98.9 95.1 102.2 103.0 101.7 97.6 98.5	85.0-11: 85.0-11: 85.0-11: 85.0-11: 85.0-11: 85.0-11:	5.0 5.0 5.0 5.0 5.0	
MD Method Duplicate				304370-2				10/25/2005	1442	
Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F	
rsenic (As), TCLP arium (Ba), TCLP admium (Cd), TCLP admium (Cr), TCLP add (Pb), TCLP alenium (Se), TCLP ilver (Ag), TCLP	0.01068 0.86758 0.00058 0.00352 0.00438 0.00548 -0.00028	0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090				0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	2.9 0.00009 0.00073 0.00103 0.00015	20 0.00500 0.01000 0.01000 0.04000		
MS Matrix Spike		MSPIKE3		304370-1				10/25/2005	1446	
Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F	
rsenic (As), TCLP arium (Ba), TCLP admium (Cd), TCLP aromium (Cr), TCLP ead (Pb), TCLP elenium (Se), TCLP	0.96968 1.91303 0.49898 1.08308 1.04610 0.98791 0.54781			1.00 1.00 0.500 1.00 1.00 1.00 0.500		0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	102.0 99.7 108.0 104.3 98.3	75–125 75–125 75–125 75–125 75–125 75–125	5	
MSD Matrix Spike Duplicate		MSPIKE3		304370-1				10/25/2005	1450	
Parameter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F	
rsenic (As), TCLP	0.95362	0.96968		1.00		0.01229	94.1	75-125 20	;	
arium (Ba), TCLP	1.88126	1.91303		1.00		0.89316		75-125	,	
admium (Cd), TCLP	0.49228	0.49898		0.500		0.00067	3.2 98.3	20 75–125	i	
nromium (Cr), TCLP	1.06925	1.08308		1.00		0.00279	1.4 106.6	20 75–125		
ead (Pb), TCLP	1.03317	1.04610		1.00		0.00335	1.3 103.0	20 75–125	)	
elenium (Se), TCLP	0.98172	0.98791		1.00		0.00533	1.3 97.6 0.7	20 75-125 20	,	
lver (Ag), TCLP	0.54172	0.54781		0.500		0.00090	108.2 1.1	75 <b>-</b> 125 20	1	

Page 16 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	r S	Repor	t Date.: 10/	28/2005	·
CUSTOMER: T3	3 Energy Services	PROJEK	CT: SUMP WASTE	. 13		4 1	ATIN:	ter på egit te	saka Pasa P	1850 N
QC Type	Description		Reag. Cod	•	Lab	ID	Dilu	tion Factor	Date	Time
PB	Prep. Blank				141005		NA S		10/25/2005	1427
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00277 -0.00010 0.00097 0.00171 -0.00073 0.00050 -0.00033								
S0	Calibration Blank		Charles .						10/25/2005	0826
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00387 0.00033 -0.01817 -0.00020 0.00024 0.00023 -0.00719								
SD	Serial Dilution				304671-1			÷	10/25/2005	1036
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Arsenic (As), Barium (Ba), W Cadmium (Cd), Chromium (Cr), Lead (Pb), Wat Selenium (Se), Silver (Ag), W	Vater Water Water Jer Water	0.00210 0.01742 0.00052 0.00197 -0.00182 0.00137 0.00079								
STD	Spiked Blank Duplicate								10/25/2005	0831
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Silver (Ag)		2.99436 0.60791 17.20330 0.66129 0.55787								

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULI	r s	Report	Date.	: 10/28	3/2005	· · · ·
CUSTOMER: T3	3 Energy Services	PROJEK	CT: SUMP WASTE		saltyin,	nga ka	ATTN:		1043		
QC Type	Description		Reag. Cod	е	Lab	ID	Dilut	ion Fa	ctor	Date	Time
CCB	Continuing Calibration Blan									10/25/2005	0907
Parar	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc.	Result	* Limit	5 F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00223 -0.00011 0.00007 -0.00048 -0.00103 0.00162 -0.00030									
ССВ	Continuing Calibration Bla	nk			14 (4)	46.4			WAN ?	10/25/2005	0956
Paran	meter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc.	Result	* Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Ca) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00283 0.00017 0.00037 0.00312 -0.00237 0.00086 0.00265		·							
CCB	Continuing Calibration Bla	nk								10/25/2005	1043
Param	meter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc.	Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00301 -0.00011 0.00038 0.00055 -0.00187 -0.00171 0.00004									
CCB	Continuing Calibration Blar	ık			1.00					10/25/2005	1304
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc.	Result	* Limits	F
Arsenic (As) Barium (Ba) Cachnium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00179 -0.00024 0.00060 0.00065 -0.00192 0.00080 -0.00056									

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	. s	Report	Date.: 1	0/28/	2005	
CUSTOMER: T3	B Energy Services	PROJEX	CT: SUMP WASTE	48			ATTN:	la di j		Jan San	
QC Type	Description		Reag. Code	e	Lab	ID	Dilut	ion Facto	r	Date 7	[ime
CCB	Continuing Calibration Blan	nk		Sand of			. Ng ja	de Wasii	1	0/25/2005	1510
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Re	sult	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00271 -0.00006 0.00067 0.00118 0.00000 0.00477 0.00001									
CCB	Continuing Calibration Blar	ık			7.4				10	0/25/2005	1625
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Re	sult	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00362 0.00024 0.00048 0.00055 -0.00230 0.00056 0.00160									
CCB	Continuing Calibration Blar	ık							10	0/25/2005	1645
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Re	sult	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00185 0.00015 0.00040 0.00211 -0.00018 0.00290 0.00185									
CCB	Continuing Calibration Blan	ık							10	0/25/2005	1732
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Re	sult	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00271 -0.00007 0.00041 0.00050 0.00084 0.00057 0.00086							-		

Page 19 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L RESU	LTS	Repor	t Date.: 10/2	28/2005	
CUSTOMER: T3	3 Energy Services	PROJEC	T: SUMP WASTE	34 g g g	Pratiyalah	ATIN:	Amelia de 1		
QC Type	Description		Reag. Code	e I	ab ID	Dilu	tion Factor	Date 1	Cime
ССВ	Continuing Calibration Bla	ank (						10/25/2005	1819
Paran	meter/Test Description	QC Result	QC Result	True Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00200 -0.00001 0.00032 0.00144 -0.00007 0.00126 0.00049							
CCB	Continuing Calibration Bla	enk				830		10/25/2005	1906
Param	meter/Test Description	QC Result	QC Result	True Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00143 0.00020 0.00031 0.00133 -0.00162 0.00302 0.00145	•	:					
CCB	Continuing Calibration Bla	ank .						10/25/2005	1926
Param Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)	meter/Test Description	-0.00029 -0.00001 0.00041 0.00176 0.00040 0.00116 -0.00026	QC Result	True Value	orig.	Value	Calc. Resul	t * Limits	
ccv	Continuing Calibration Ver	rification	MS102005CC					10/25/2005	0903
Paran	meter/Test Description	QC Result	QC Result	True Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49296 0.50222 0.50277 0.51103 0.49848 0.49739 0.24853		0.500 0.500 0.500 0.500 0.500 0.500 0.25	)    -		98.6 100.4 100.6 102.2 99.7 99.5 99.4	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	0.0

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	Job Number.: 304654	QUALITY	CONTRO	L RE	SUL	TS	Repor	t Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEK	CT: SUMP WASTE	g - C-ard	Page 18 a	en di	ATTN:			
QC Type	Description		Reag. Cod	e	Lab	ID	Dilu	tion Factor	Date 1	rime
ccv	Continuing Calibration Ve	rification	MS102005CC	M.H.	y distri				10/25/2005	0952
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49038 0.49908 0.50302 0.52313 0.49588 0.49453 0.24869			0.500 0.500 0.500 0.500 0.500 0.500 0.500			98.1 99.8 100.6 104.6 99.2 98.9 99.5	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	0.0 0.0 0.0 0.0 0.0
CCV	Continuing Calibration Ve	rification	MS102005CC						10/25/2005	1039
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.48543 0.49222 0.50664 0.531.95 0.50160 0.48874 0.24771			0.500 0.500 0.500 0.500 0.500 0.500 0.500			97.1 98.4 101.3 106.4 100.3 97.7 99.1	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	0.0
CCV	Continuing Calibration Ve	rification	MS102005CC						10/25/2005	1300
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.48737 0.48475 0.50407 0.52760 0.50045 0.48792 0.24702			0.500 0.500 0.500 0.500 0.500 0.500 0.500			97.5 97.0 100.8 105.5 100.1 97.6 98.8	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	).0 ).0 ).0 ).0
ccv	Continuing Calibration Ve	rification	MS102005CC						10/25/2005	1506
Param	meter/Test Description	QC Result	QC Result	True '	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51303 0.49876 0.53506 0.52809 0.53097 0.50107 0.25197			0.500 0.500 0.500 0.500 0.500 0.500 0.500			102.6 99.8 107.0 105.6 106.2 100.2 100.8	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	).0 ).0 ).0 ).0

Page 21 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

<u> </u>					<del> </del>	·				
	Job Number.: 304654	QUALIT.Y	CONTRO	L Ri	ESUL	TS	Repor	t Date.: 10/2	8/2005	
CUSTOMER: T3	3 Energy Services	SA PROJEC	T: SUMP WASTE	4 40	il far	i de	ATTN:		Hara, Auf	Jane 14
QC Type	Description	1	Reag. Cod	e	Lab	ID	Dilu	tion Factor	Date 5	Time
CCV	Continuing Calibration Ve	erification	MS102005CC			- 10 ga 34 - 10 ga 34 - 10 ga 34		ja agalesa -	10/25/2005	1621
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51428 0.51509 0.53489 0.52521 0.53244 0.51055 0.25417			0.500 0.500 0.500 0.500 0.500 0.500 0.25			102.9 103.0 107.0 105.0 106.5 102.1 101.7	90.0-11( 90.0-11( 90.0-11( 90.0-11( 90.0-11( 90.0-11( 90.0-11(	0.0 0.0 0.0 0.0 0.0
ccv	Continuing Calibration Ve	rification	MS102005CC				30.50		10/25/2005	1641
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51817 0.51199 0.53952 0.52169 0.53673 0.50975 0.25318			0.500 0.500 0.500 0.500 0.500 0.500 0.500			103.6 102.4 107.9 104.3 107.3 102.0 101.3	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	0.0
CCV	Continuing Calibration Ve	rification	MS102005CC						10/25/2005	1728
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52138 0.52447 0.54226 0.52246 0.53805 0.51251 0.25449		٠	0.500 0.500 0.500 0.500 0.500 0.500 0.25			104.3 104.9 108.5 104.5 107.6 102.5 101.8	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	0.0
ccv	Continuing Calibration Ve	rification	MS102005CC						10/25/2005	1815
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52060 0.52473 0.54239 0.52131 0.53813 0.51538 0.25525			0.500 0.500 0.500 0.500 0.500 0.500 0.25			104.1 104.9 108.5 104.3 107.6 103.1 102.1	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	).0 ).0 ).0 ).0

Page 22 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	TALL									
	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL'	T S	Repor	t Date.: 10/2	8/2005	
CUSTOMER: T3	Energy Services	PROJEC	T: SUMP WASTE		the stages	A. Og. 3	ATTN:	New Yorks	Patrauli Day	5 2 <sup>1</sup> 2 -2
QC Type	Description	1	Reag. Code	e	Lab	ID	Dilu	tion Factor	Date	Time
ccv	Continuing Calibration Ve	rification	MS102005CC	7 S 2	sida de la col mai, la mai,		i And		10/25/2005	1902
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52541 0.52567 0.54530 0.52039 0.53931 0.51842 0.25556			0.500 0.500 0.500 0.500 0.500 0.500 0.500			105.1 105.1 109.1 104.1 107.9 103.7 102.2	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0
CCV	Continuing Calibration Ve	rification	MS102005CC		NAMES A				10/25/2005	1922
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52433 0.52698 0.54667 0.51999 0.54053 0.51724 0.25572			0.500 0.500 0.500 0.500 0.500 0.500 0.25			104.9 105.4 109.3 104.0 108.1 103.4 102.3	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0
CH1	Calibration check standar	d 1	MS092605T1						10/25/2005	0847
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00750 0.00863 0.00510 0.01022 0.00689 0.00897 0.00451			0.0100 0.0100 0.00500 0.0100 0.0100 0.0100 0.00500			75.0 86.3 102.0 102.2 68.9 89.7 90.2	50.0-150 50.0-150 50.0-150 50.0-150 50.0-150 50.0-150	0.0 0.0 0.0 0.0
СНЗ	Standard check for ICAP		MS100505T3			er i de Besse	42.3		10/25/2005	0835
Parame	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		1.99451 1.99566 1.00030 2.01040 1.99881 1.99739 0.99918			2.00 2.00 1.00 2.00 2.00 2.00 2.00			99.7 99.8 100.0 100.5 99.9 99.9	95.0-109 95.0-109 95.0-109 95.0-109 95.0-109 95.0-109 95.0-109	5.0 5.0 5.0 5.0 5.0

Page 23 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Numbe	er.: 304654	QUALITY	CONTROI	R	ESUL	T S	Report	t Date.: 10/28	3/2005	
CUSTOMER: T3	Energy Se	ervices	PROJEC	T: SUMP WASTE	ağıkı.		4 1 #8 5 E	ATTN:		n kujinka	8.37
QC Type		Description		Reag. Code		Lab	ID	Dilut	tion Factor	Date 1	lime
CRI	Contract	Required Detection	n Limits	MS100505CR			yr <sub>B</sub> yr	134		10/25/2005	0851
Param	meter/Test	Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)			0.01561 0.01028 0.02141 0.00441 0.01301 0.02042			0.0200 0.010 0.0200 0.0060 0.010 0.0200			78.0 102.8 107.0 73.5 130.1 102.1	50.0-150 50.0-150 50.0-150 50.0-150 50.0-150 50.0-150	).0 ).0 ).0
CRI	Contract	Required Detection	n Limits	MS100505CR		grija.				10/25/2005	1910
Param	meter/Test	Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)			0.01798 0.01130 0.02111 0.00411 0.00977 0.02059			0.0200 0.010 0.0200 0.0060 0.010 0.0200	-		89.9 113.0 105.5 68.5 97.7 103.0	50.0-150 50.0-150 50.0-150 50.0-150 50.0-150	0.0
EB	Extraction	on Blank				141005				10/25/2005	1434
Param	eter/Test	Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)			0.00674 0.00501 0.00072 0.00125 -0.00210 0.00488 -0.00011				*.				<del></del>
ICB	Initial C	Calibration Blank								10/25/2005	0843
Param	eter/Test	Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)			-0.00084 0.00018 0.00028 0.00227 -0.00232 0.00012 0.00229								
ICV	Initial C	Calibration Verific	ation	MS102005CC						10/25/2005	0839
Param	eter/Test	Description	QC Result	QC Result	True	Value	Orig. '	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr)			0.49769 0.50439 0.50012 0.50469		١	0.500 0.500 0.500 0.500			99.5 100.9 100.0 100.9	95.0-105 95.0-105 95.0-105 95.0-105	.0 .0

	· · · · · · · · · · · · · · · · · · ·									
	Job Number.: 304654	QUALITY	CONTROI	R	ESULT	S	Report	Date.: 10/28	3/2005	
CUSTOMER: T3	Energy Services	PROJEC	T: SUMP WASTE	11185		: 155g	ATTN:			
QC Type	Description		Reag. Code		Lab	ID	Dilut	ion Factor	Date	Time
ICV	Initial Calibration Verifi	cation	MS102005CC						10/25/2005	0839
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Lead (Pb) Selenium (Se) Silver (Ag)		0.49552 0.50041 0.24687			0.500 0.500 0.25			99.1 100.1 98.7	95.0-10 95.0-10 95.0-10	5.0
ISA	Interference Check Sample	A	MS1005051A						10/25/2005	0855
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00278 0.00135 -0.00061 0.00556 0.01106 0.02005 0.00019			0.0 0.0 0.0 0.0 0.0 0.0					
ISA	Interference Check Sample	A	MS100505IA						10/25/2005	1914
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00048 0.00165 0.00177 0.00581 0.00241 0.00783 0.00143			0.0 0.0 0.0 0.0 0.0 0.0 0.0					
ISB	Interference Check Sample	В	MS100505IB				Ĭ,		10/25/2005	0859
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.97597 1.05638 0.49294 1.06614 1.03349 0.98937 0.55617			1.00 1.00 0.500 1.00 1.00 1.00 0.500			97.6 105.6 98.6 106.6 103.3 98.9 111.2	80.0-12 80.0-12 80.0-12 80.0-12 80.0-12 80.0-12	0.0 0.0 0.0 0.0
ISB	Interference Check Sample	В	MS100505IB						10/25/2005	1918
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se)		1.05031 1.11484 0.54183 1.09223 1.11897 1.03900			1.00 1.00 0.500 1.00 1.00			105.0 111.5 108.4 109.2 111.9 103.9	80.0-12 80.0-12 80.0-12 80.0-12 80.0-12 80.0-12	0.0 0.0 0.0 0.0

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	TS	Report	Date.: 10/2	8/2005	
CUSTOMER: T3	Energy Services	PROJEC	T: SUMP WASTE	ikali e	2 17	· v	ATTN:		enga est	.e. 3%
QC Type	Description		Reag. Cod	e	Lak	D ID	Dilut	ion Factor	Date T	'ime
ISB	Interference Check Sample E		MS100505IB	Carl Ass		agivin ling	lasta.	sii higan .	10/25/2005	1918
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Gilver (Ag)	-	0.57619			0.500			115.2	80.0-120	.0
LCS	Laboratory Control Sample		MSPIKE3		141005				10/25/2005	1430
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Badmium (Cd) Arcmium (Cr) Lead (Pb) Belenium (Se) Bilver (Ag)		0.98926 0.95112 0.51103 1.03003 1.01742 0.97576 0.49256			1.00 1.00 0.500 1.00 1.00 0.500	**		98.9 95.1 102.2 103.0 101.7 97.6 98.5	85.0-115 85.0-115 85.0-115 85.0-115 85.0-115 85.0-115 85.0-115	.0
MD	Method Duplicate				304370-	1			10/25/2005	1442
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As), 'Sarium (Ba), To Barium (Cd), 'Chromium (Cd), 'Chromium (Cr), Lead (Pb), TCL Selenium (Se), Silver (Ag), To	CLP TCLP TCLP P TCLP	0.01068 0.86758 0.00058 0.00352 0.00438 0.00548 -0.00028	0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090				0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	2.9 0.0000 0.0007 0.0010 0.0001	20 9 0.00500 3 0.01000 3 0.01000 5 0.04000	
MD	Method Duplicate	and the second			304673-	1		*	10/25/2005	1610
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As), To Barium (Ba), To Cadmium (Cd), Thromium (Cr), Lead (Pb), TCLI Selenium (Se), Silver (Ag), To	CLP TCLP TCLP P TCLP	0.06878 1.00290 0.00503 0.01920 5.4744 0.01015 0.00103	0.06697 1.01573 0.00490 0.01939 5.40316 0.00997 0.00099				0.06697 1.01573 0.00490 0.01939 5.40316 0.00997 0.00099	1.3 0.0001 0.0001 1.3 0.0001	20 0.00500 0.01000 20 0.04000	
MS	Matrix Spike		MSPIKE3		304370-	1			10/25/2005	1446
Parame	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
rsenic (As), Tarium (Ba), To Barium (Ba), To Badmium (Cd), Tarium (Cr), Chromium (Cr), Lead (Pb), TCLI Belenium (Se), Bilver (Ag), TO	CLP TCLP P TCLP TCLP	0.96968 1.91303 0.49898 1.08308 1.04610 0.98791 0.54781			1.00 1.00 0.500 1.00 1.00 1.00 0.500		0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	95.7 102.0 99.7 108.0 104.3 98.3 109.4	75-125 75-125 75-125 75-125 75-125 75-125 75-125	

Page 26 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTROI	R	ESULT	's	Report	Date.: 10/2	8/2005	
CUSTOMER: T3	Energy Services	PROJEK	CT: SUMP WASTE	V.		11., i e	ATTN:	. Polanjan Iniĝij		
QC Type	Description		Reag. Code		Lab	ID	Dilut	ion Factor	Date T	ime
MS	Matrix Spike	The Participant	MSPIKE3		304673-1		1300		10/25/2005	1614
Param	meter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As), Barium (Ba), T Cadmium (Cd), Chromium (Cr), Lead (Pb), TCI Selenium (Se), Silver (Ag), T	CLP TCLP TCLP .P TCLP	1.04510 2.03002 0.51367 1.09643 6.37642 1.02479 0.55038			1.00 1.00 0.500 1.00 1.00 1.00		0.06697 1.01573 0.00490 0.01939 5.40316 0.00997 0.00099	101.4 101.8 107.7 97.3 101.5	75-125 75-125 75-125 75-125 75-125 75-125 75-125	
MSD	Matrix Spike Duplicate		MSPIKE3		304370-1		100	Med years	10/25/2005	1450
Param	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As),	TCLP	0.95362	0.96968		1.00		0.01229	94.1	75-125 20	
Barium (Ba), T	CLP	1.88126	1.91303		1.00		0.89316	98.8	75-125	
Cadmium (Cd),	TCLP	0.49228	0.49898		0.500		0.00067	3.2 98.3	20 75–125	
Chromium (Cr),	TCLP	1.06925	1.08308		1.00		0.00279	1.4 106.6	20 75–125	
Lead (Pb), TCL	JP	1.03317	1.04610		1.00		0.00335	1.3 103.0	20 75–125	
Selenium (Se),	TCLP	0.98172	0.98791		1.00		0.00533	1.3 97.6	20 75 <b>-</b> 125	
Silver (Ag), T	CLP	0.54172	0.54781		0.500		0.00090	0.7 108.2 1.1	20 75-125 20	
MSD	Matrix Spike Duplicate		MSPIKE3		304673-1				10/25/2005	L618
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	t * Limits	F
Arsenic (As),	TCLP	1.08177	1.04510		1.00		0.06697	101.5 3.7	75-125 20	
Barium (Ba), T	CLP	2.10885	2.03002		1.00		1.01573	109.3 7.5	75 <b>–</b> 125	
Cadmium (Cd),	TCLP	0.53193	0.51367		0.500		0.00490	105.4	75-125	
Chromium (Cr),	TCLP	1.13514	1.09643		1.00		0.01939	3.5 111.6	20 75–125	
Lead (Pb), TCL	P	6.69589	6.37642		1.00		5.40316	3.6 129.3	20 75–125	_
Selenium (Se),	TCLP	1.05407	1.02479		1.00		0.00997	28.2 104.4	20 75–125	С
Silver (Ag), T	CLP	0.56137	0.55038		0.500		0.00099	2.8 112.1 2.0	20 75–125 20	

Page 27 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

<b></b>									···	
<u>.</u>	Job Number.: 304654	QUALITY	CONTROL	R	ESUL	TS	Report	Date.: 10/2	8/2005	
CUSTOMER: T3	3 Energy Services	PROJEC	CT: SUMP WASTE		li ivi	194.1	ATTN:		1- 14.:	-114 p
QC Type	Description		Reag. Code	, [	Lab	ID	Dilut	ion Factor	Date	Time
PB	Prep. Blank		i i de la compa	ŊĖ.	141005				10/25/2005	1427
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cacimium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00277 -0.00010 0.00097 0.00171 -0.00073 0.00050 -0.00033								
PDS	Post Digestion Spike		MSPIKE3		304370-	1			10/25/2005	1633
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As), Barium (Ba), T Cachmium (Cd), Chromium (Cr), Lead (Pb), TCT Selenium (Se), Silver (Ag), T	CLP TCLP TCLP JP TCLP	0.97866 1.96507 0.50361 1.06812 1.05694 1.00850 0.54969			1.00 1.00 0.500 1.00 1.00 1.00 0.500		0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	107.2 100.6 106.5 105.4 100.3	75–12 75–12 75–12 75–12 75–12 75–12 75–12	5 5 5 5 5
S0	Calibration Blank								10/25/2005	0826
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00387 0.00033 -0.01817 -0.00020 0.00024 0.00023 -0.00719								
SD	Serial Dilution				304370-	1	5		10/25/2005	1637
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As), Barium (Ba), T Cadmium (Cd), Chromium (Cr), Lead (Pb), TCL Selenium (Se), Silver (Ag), T	CLP TCLP TCLP P TCLP	0.00166 0.20259 0.00073 0.00166 0.00185 0.00550 0.00081					0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	32.5 13.4 444.8 197.5 176.1 415.9	10.0	е

Page 28 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTROL	RESUL		rt Date.: 10/2	8/2005	
CUSTOMER: T3	B Energy Services	PROJEC	T: SUMP WASTE		ATTN:			30 As
QC Type	Description	<del>.</del>	Reag. Code	e Lab	ID Dilu	tion Factor	Date T	'ime
STD	Spiked Blank Duplicate						10/25/2005	0831
Paran	meter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Silver (Ag)		2.99436 0.60791 17.20330 0.66129 0.55787						
	: SW-846 8270C ription.: Semivolatile Organ	ics		: u		Analys	t: acn	
LCS	Laboratory Control Sample		SVS101405M	141127			10/27/2005	0958
Param	meter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Resul	t * Limits	F
	tene, TCLP adiene, TCLP ane, TCLP TCLP (o-Cresol), TCLP (p-Cresol), TCLP anol, TCLP cophenol, TCLP	104.925 96.8503 104.350 86.7255 97.1624 64.8490 57.7231 110.430 98.2382 94.5779 50.3486		100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0		104.9 96.9 104.3 86.7 97.2 64.8 57.7 110.4 98.2 94.6 50.3	56-105 54-157 24-123 36-114 42-124 37-96 29-98 20-134 49-117 30-143 18-75	
MB	Method Blank		SVS090105A	141127			10/27/2005	0924
Param	eter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	t * Limits	F
	ene, TCLP diene, TCLP ne, TCLP TCLP (o-Cresol), TCLP (p-Cresol), TCLP nol, TCLP ophenol, TCLP	0 0 0 0 0 0 0 0						
MS	Matrix Spike		SVS101405M	304654-	1		10/27/2005	1141
Param	eter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result		F
2,4-Dinitrotol Mexachlorobenz Mexachlorobuta Mexachloroetha Mitrobenzene,	ene, TCLP diene, TCLP ne, TCLP	77.1020 92.9560 87.8460 71.0198 159.169		100.0 100.0 100.0 100.0	0 0 0 0	77 93 88 71 159	29-135 46-139 26-115 25-225 24-142	

Page 29 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L RESUI		t Date.: 10/2	8/2005	_
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE	Maring Spiriter	ATTN:		lensing b	30
QC Type	Description		Reag. Code	e La	b ID Dilu	tion Factor	Date Time	_
MS	Matrix Spike		SVS101405M	304654	-1,4457 (2)		10/27/2005 114	1
Para	meter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Resul	t * Limits	F
4-Methylphenol Pentachlorophe 2,4,5-Trichlor	rophenol, TCLP rophenol, TCLP	71.2192 141.172 108.002 70.8857 82.5349 35.1332		100.0 100.0 100.0 100.0 100.0	0 106.856 0 0 0	71 34 108 71 83 35	26-95 11-112 38-140 38-130 35-136 23-76	_
MSD	Matrix Spike Duplicate		SVS101405M	304654	-1		10/27/2005 121	5
	meter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	t * Limits	F
2,4-Dinitroto	•	87.6542 104.277	77.1020 92.9560	100.0	0	88 12.8 104	29-135 45.0 46-139	
Hexachlorobuta	adiene, TCLP	84.1898	87.8460	100.0	0	11.5 84	50.0 26-115	
Hexachloroetha	ane, TCLP	76.5592	71.0198	100.0	0	4.3 77	50.0 25-225	
Nitrobenzene,	TCLP	144.497	159.169	100.0	0	7.5 144		A
2-Methylphenol	l (o-Cresol), TCLP	64.0907	71.2192	100.0	0	9.7 64	50.0 26-95	
4-Methylphenol	l (p-Cresol), TCLP	138.497	141.172	100.0	106.856	10.5 32	50.0 11-112	
Pentachlorophe	enol, TCLP	107.853	108.002	100.0	0	1.9 108	50.0 38-140	
2,4,5-Trichlor	rophenol, TCLP	68.1822	70.8857	100.0	0	0.1 68	49.0 38-130	
2,4,6-Trichlor	rophenol, TCLP	98.7542	82.5349	100.0	0	3.9 99	50.0 35-136	
Pyridine, TCLE	•	45.1922	35.1332	100.0	0	17.9 45 25.0	50.0 23-76 50.0	
PB	Prep. Blank		svs090105A	141127			10/27/2005 1032	 2
Paran	meter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits I	F
	zene, TCLP adiene, TCLP ame, TCLP TCLP t (o-Cresol), TCLP t (p-Cresol), TCLP cophenol, TCLP cophenol, TCLP	0 0 0 0 0 0 0 0						-

Page 30 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

<u> </u>											
	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	TS	Repor	t Date.: 10/	28/200	5	
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE	:	i the grade	i mijorji i ji	ATTN:	i de parçã		1 1 1 m	a the
QC Type	Description		Reag. Cod	le	Lab	ID	Dilu	tion Factor	Da	te T	ime
PB	Prep. Blank		SVS090105A	144	141127		1350		10/2	7/2005	1505
Parar	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Resu	lt *	Limits	F
2,4-Dinitroto	luene, TCLP	0 -									
Hexachloroben		0									
Hexachlorobuta	adiene, TCLP	0									
Hexachloroeth	•	0									
Nitrobenzene,		0									
	l (o-Cresol), TCLP	0									
4-Methylpheno	l (p-Cresol), TCLP	0									
Pentachlorophe		0									
	rophenol, TCLP	0 0									
Pyridine, TCL	rophenol, TCLP	0									
ryrround, 1011	•	J					*				
PB	Prep. Blank		svs090105A	7 (F	141127				10/2	7/2005	1539
Parar	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resu	lt *	Limits	F
2,4-Dinitroto	luene, TCLP	0		-							
Hexachlorobenz		ŏ									
Hexachlorobuta		Ö									
Hexachloroetha		0									
Nitrobenzene,	TCLP	0									
2-Methylphenol	l (o-Cresol), TCLP	0									
4-Methylphenol	(p-Cresol), TCLP	0									
Pentachlorophe	enol, TCLP	0									
2,4,5-Trichlor	cophenol, TCLP	0 .									
2,4,6-Trichlor	rophenol, TCLP	0								•	
Pyridine, TCLI	•	0									
	•										
	: SW-846 8260B ription: Volatile Organics		Units Batch(s		: u 141257	g/L		Analys	st:	yxl	
ics	Laboratory Control Sample		VS101805E		a personal en	i rengan	2 11 1 13	us content of the	10/2	5/2005 1	l213
Param	meter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Resul	lt *	Limits	F
Benzene, Water	<u> </u>	46.7184			50.00		ND	93.4		68-127	
Carbon Tetrach		45.9857			50.00		1D	92.0		54-140	
Chlorobenzene,		45.5183			50.00	_	4D	91.0		65-129	
Chloroform, Wa		39.5888			50.00		1D	79.2		71-131	
1,4-Dichlorobe		49.3423			50.00		√D	98.7		46-142	
1,2-Dichloroet		45.7358			50.00		ND	91.5		65-133	
1,1-Dichloroet		50.1276			50.00		ND	100.3		48-147	
Tetrachloroeth		46.2243			50.00		ND	92.4		59-134	
Trichloroether		45.5488			50.00	_	ID ID	91.1		64-130	
Vinyl Chloride		33.4228			50.00		ND ND	66.8 84.5		35 <b>-</b> 155	
wecnyr Etnyl R	Ketone (2-Butanone), Water	42.2335			50.00	1	ND .	84.5		38-186	

Page 31 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	E S U L !	T S	Report	Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE	1000		A September	ATTN:	reth i lafott f		Profession
QC Type	Description		Reag. Code	9	Lab	ID	Dilut	ion Factor	Date	Time
ıcs	Laboratory Control Sample		VS101805E	3		484			10/26/200	5 1204
Para	meter/Test Description	QC Result	QC Result	True	. Value	Orig. V	/alue	Calc. Resul	t * Limi	ts F
Chlorobenzene Chloroform, W 1,4-Dichlorob 1,2-Dichloroe 1,1-Dichloroe Tetrachloroethe Trichloroethe Vinyl Chlorid	hloride, Water , Water ater enzene, Water thane, Water thene, Water hene, Water ne, Water	47.2082 46.3891 45.9739 37.7165 50.0709 45.1470 47.8551 45.4229 44.8657 33.3858 40.7236			50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00	NI NI NI NI NI NI NI NI NI		94.4 92.8 91.9 75.4 100.1 90.3 95.7 90.8 89.7 66.8 81.4	54- 65- 71- 46- 65- 48- 59- 64- 35-	127 140 129 131 142 133 147 134 130 155 186
МВ	Method Blank		VS101805C						10/25/200	HEROTOL NO
Benzene, Water Carbon Tetrack Chlorobenzene, Chloroform, W. 1,4-Dichloroet 1,2-Dichloroet 1,1-Dichloroet Tetrachloroethe Trichloroethe Vinyl Chloride	hloride, Water , Water ater enzene, Water thane, Water thene, Water hene, Water ne, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result		Value	Orig. V		Calc. Resul		ts F
MB	Method Blank		VS101805C						10/26/200	5 1255
	meter/Test Description	QC Result	QC Result	True	Value	Orig. V	alue	Calc. Resul	t * Limi	ts F
Chlorobenzene, Chloroform, Wa 1,4-Dichlorobe 1,2-Dichloroet 1,1-Dichloroet Tetrachloroether Trichloroether Vinyl Chloride	hloride, Water , Water ater enzene, Water thane, Water thene, Water hene, Water ne, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N								

<u> </u>									
	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT		eport Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEK	CT: SUMP WASTI	g and a final		А	TIN:		- 
QC Type	Description		Reag. Cox	de	Lab	ID	Dilution Factor	Date Tir	ne
MS	Matrix Spike		VS101805E	1951	304068-1	Vedije j	20.00000	10/25/2005 14	446
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig. Va	lue Calc. Resul	t * Limits	F
Benzene, TCLP		51.8847	···········		50.00	ND	104	63-123	_
Carbon Tetracl Chlorobenzene		48.5867 51.1318			50.00 50.00	ND ND	97 102	21-138 61-126	
Chloroform, To		41.3975			50.00	ND	83	67-136	
1,4-Dichlorob		55.8625			50.00	ND	112	58-128	
1,2-Dichloroet		49.4051			50.00	ND	99	66-135	
1,1-Dichloroet		49.7700 48.7699			50.00 50.00	ND ND	100 98	33-130 40-134	
Trichloroether	•	47.6934			50.00	ND	95	43-127	
Vinyl Chloride	e, TCLP	33.0244			50.00	ND	66	9-158	
Methyl Ethyl 1	Ketone (2-Butanone), TCLP	44.2086			50.00	ND	88	9 <b>-</b> 157	
MS	Matrix Spike		VS101805E	) j	304654-1		20.00000	10/26/2005 14	112
Parar	meter/Test Description	QC Result	QC Result	True	. Value	Orig. Va	lue Calc. Resul	t * Limits	F
Benzene, TCLP		57.5586		-	50.00	ND	115	63-123	_
Carbon Tetrach		55.0612			50.00	ND	110	21-138	
Chlorobenzene, Chloroform, TO		56.3989 46.1820			50.00 50.00	ND ND	113 92	61-126 67-136	
1,4-Dichlorobe		60.0815			50.00	ND	120	58-128	
1,2-Dichloroet		53.5852			50.00	ND	107	66-135	
1,1-Dichloroet		62,3990			50.00	ND	125	33-130	
Tetrachloroeth		56.3581 53.9007			50.00 50.00	ND ND	113 108	40-134 43-127	
Trichloroether Vinyl Chloride		37.9134			50.00	ND ND	76	9-158	
	Ketone (2-Butanone), TCLP	48.9182			50.00		56738 91	9-157	
MSD	Matrix Spike Duplicate		VS101805E		304068-1		20.00000	10/25/2005 15	511
Parar	meter/Test Description	QC Result	QC Result	True	· Value	Orig. Va	lue Calc. Resul	t * Limits	F
Benzene, TCLP		53.6270	51.8847		50.00	ND	107	63-123	_
Carbon Tetrach	hloride, TCLP	53.6936	48.5867		50.00	ND	3.3 107	30.0 21-138	
Chlorobenzene,	, TCLP	52.7794	51.1318		50.00	ND	10.0 106	30.0 61-126	
Chloroform, TO	CLP	42.8249	41.3975		50.00	ND	3.2 86	30.0 67-136	
1,4-Dichlorobe	enzene, TCLP	58.2154	55.8625		50.00	ND	3.4 116	30.0 58-128	
1,2-Dichloroet	thane, TCLP	48.2133	49.4051		50.00	ND	4.1 96 2.4	30.0 66-135	
1,1-Dichloroet	thene, TCLP	53.8991	49.7700		50.00	ND	2.4 108 8.0	30.0 33-130 30.0	
Tetrachloroeth	nene, TCLP	52.6311	48.7699		50.00	ND	105 7.6	40-134 30.0	
Trichloroether	ne, TCLP	50.8957	47.6934		50.00	ND	102 6.5	43-127 30.0	
Vinyl Chloride	e, TCLP	36.0481	33.0244		50.00	ND	72 8.8	9-158 30.0	
	•						, 0.0	~~~	

		QUALITY	CONTRO	L RES	ULTS				_
	Job Number.: 304654					Report	Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE			ATTN:	promise s		47 B
QC Type	Description		Reag. Code	Э	Lab ID	Dilut	ion Factor	Date T	ime
MSD	Matrix Spike Duplicate		VS101805E	304	068-1	20.00	000	10/25/2005	1511
Para	meter/Test Description	QC Result	QC Result	True Val	ue Orig.	Value	Calc. Resul	t * Limits	F
Methyl Ethyl 1	Ketone (2-Butanone), TCLP	39.8191	44.2086	50.0	0 N	D .	80 10.4	9-157 30.0	<del>-</del>
MSD	Matrix Spike Duplicate		VS101805E	304	654-1	20.00	000	10/26/2005	1438
Para	meter/Test Description	QC Result	QC Result	True Val	ue Orig.	Value	Calc. Resul	t * Limits	F
Benzene, TCLP		56.9888	57.5586 55.0612	50.0 50.0			114 1.0 111 0.4	63-123 30.0 21-138 30.0	
Chlorobenzene	, TCLP	55.7089	56.3989	50.0	0 N	D	111 1.2	61-126 30.0	
Chloroform, To	CLP	45.9020	46.1820	50.0	0 N	D .	92 0.6	67-136 30.0	
1,4-Dichlorob	enzene, TCLP	61.2487	60.0815	50.0	0 N	D	122	58-128	
1,2-Dichloroe	thane, TCLP	53.4239	53.5852	50.0	0 N	D	1.9 107	30.0 66-135	
1,1-Dichloroe	thene, TCLP	57.4294	62.3990	50.0	0 N	D	0.3 115	30.0 33-130	
Tetrachloroetl	hene, TCLP	55.5673	56.3581	50.0	0 N	D	8.3 111	30.0 40-134	
Trichloroether	ne, TCLP	53.6130	53.9007	50.0	0 N	D	1.4 107	30.0 43-127	
Vinyl Chloride	e, TCLP	36.6503	37.9134	50.0	0 N	D	0.5 73	30.0 9-158	
Methyl Ethyl 1	Ketone (2-Butanone), TCLP	47.9519	48.9182	50.0	0 :	3.56738	3.4 89 2.0	30.0 9-157 30.0	
PB	Prep. Blank		VS101805C			20.00	000	10/26/2005	1230
Parar	meter/Test Description	QC Result	QC Result	True Val	ue Orig	Value	Calc. Resul	t * Limits	F
Benzene, TCLP Carbon Tetracic Chlorobenzene, Chloroform, TC 1,4-Dichloroet 1,2-Dichloroet Tetrachloroett Trichloroette Vinyl Chlorida Methyl Ethyl I	hloride, TCLP , TCLP CLP enzene, TCLP thane, TCLP thene, TCLP nene, TCLP	ND ND ND 1.19624 ND ND ND ND ND ND ND ND ND ND ND ND							

Page 34 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

## SURROGATE RECOVERIES REPORT

CUSTOMER	: T3 Energ	y Services	PROJECT: SI	MP WASTE		* *. 2x 20 + 5	ATTN	I: Ralph Castil	lo
		: Volatile Organics .:: 141257			d Code Matrix	.: 8260 .: Water		Prep Batch Equipment Code	
Lab ID	DT	Sample ID		Date	12DCED	BRFLBE	DBRFLM	TOLD8	
412572: 412572: 412572: 412572:	1 MB 1 LCS			10/25/2005 10/25/2005 10/26/2005 10/26/2005	83.6 85.4 81.5 84.8	102.7 110.2 106.1 104.3	80.6 81.8 79.6 81.0	96.6 102.4 97.5 96.4	
rest .	Test Des	cription	Limits						•
2DCED RFLBE BRFLM OLD8	4-Bromof	lloroethane-d4 lluorobenzene lluoromethane	70 - 130 70 - 130 70 - 130	) )					
סמונגע	TOTUETIE**	a	70 - 130	)					
Met	thod	: Volatile Organics: 141257	70 - 130	Metho	d Code Matrix			Prep Batch	
Met Bat	thod tch(s)	.:: Volatile Organics	70 - 130	Metho	Matrix		DBRFIM		
Met Bat Lab ID  409892: 04068- : 04068- : 04654- : 04654- :	thodtch(s)	: Volatile Organics: 141257	70 - 130	Metho Test	Matrix	.: TCLP	83.4 80.4 78.4 78.0 82.4 80.7 77.3	Equipment Code	
Met Bat Lab ID 409892: 04068- : 04068- : 04654- : 04654- :	thod tch(s)  DT  1 PB 1 MS 1 MSD 1 1 MS 1 MSD 2	: Volatile Organics: 141257  Sample ID  CONTAMINATED SOIL 1 CONTAMINATED SOIL 1 SUMP1 T3-CYPRESS SUMP1 SUMP1 T3-CYPRESS SUMP1 SUMP1 T3-CYPRESS SUMP1	70 - 13(	Metho Test  Date  10/26/2005 10/25/2005 10/26/2005 10/26/2005 10/26/2005 10/26/2005	12DCED 87.3 82.9 79.7 81.3 83.9 81.2	ERFLBE  105.9 109.5 109.2 106.2 108.0 108.7	83.4 80.4 78.4 78.0 82.4 80.7	TOLD8  100.4 99.8 98.5 96.1 98.6 98.4	

# SURROGATE RECOVERIES REPORT

Job Number.: 304654

Report Date.: 10/28/2005

	l	CUSTOMER: 4	183648				PROJECT:	SUMP WASTE		ATTN: Ralph	Castill
--	---	-------------	--------	--	--	--	----------	------------	--	-------------	---------

Method: Semivolatile Organics Batch(s): 141227 141275				Metho Test	Prep Batch: 141127 Equipment Code: EGCMS04					
Lab ID	DT	Sample ID		Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND6	TERD14
04654-		SUMP1 T3-CYPRESS SUMP1		10/27/2005	92.0	81.4	61.6	140.0A	57.6	74.8
	1 MS	SUMP1 T3-CYPRESS SUMP1		10/27/2005	105.3	88.9	73.2	162.0A	56.1	88.5
304654-		SUMP1 T3-CYPRESS SUMP1		10/27/2005	104.3	93.9	66.1	152.5A	47.6	96.8
04654-		SUMP2 T3-CYPRESS SUMP2		10/27/2005	103.1	93.5	65.9	167.8A	57.3	83.1
.411272				10/27/2005	116.2	101.2	54.6	106.4	33.7	120.5
411272	1 MB			10/27/2005	92.7	96.4	51.4	104.4	36.9	109.0
411272				10/27/2005	94.3	85.7	58.0	96.7	49.6	98.8
411272	1 PB			10/27/2005	89.4	86.8	62.0	91.9	48.3	97.9
411272	1 PB			10/27/2005	97.0	96.8	62.6	101.3	49.8	98.9
Test	Test Des	cription	Limits							
46TBP	2,4,6-Tr	ibromophenol	10 - 123	3						
FLUBP	2-Fluoro	biphenyl	43 - 116							
FLUPH	2-Fluoro	phenol	21 - 100	)						
IITRD5	Nitroben	zene-d5	35 - 114	1						
HEND6	Phenol-d	6	10 - 94							
ERD14	Terpheny	1-d14	33 - 143	l						

#### QUALITY ASSURANCE METHODS

#### REFERENCES AND NOTES

Report Date: 10/28/2005

#### REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field, (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.
- 4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the warning limits.

#### General Information:

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reported as the final result.
- m-Cresol and p-Cresol co-elute. The result of the two is reported as either map-cresol or as p-cresol.
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- Trimethysilyl (Diazomethane) is used to esterify acid herbicides in Method SW-846 8151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.

#### Explanation of Qualifiers:

- U This qualifier indicates that the analyte was analyzed but not detected.
- J (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- B (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- N (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic charachterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

#### Explanation of General QC Outliers:

- A Matrix interference present in sample.
- a MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
- b Target analyte was found in the method blank.
- ${\tt M}$   ${\tt QC}$  sample analysis yielded recoveries outside  ${\tt QC}$  acceptance criteria. This sample was reanalyzed.
- L ICS analysis yielded high recoveries, indicating a potential high bias. No target analytes were observed above the RL in the associated samples.
- G Marginal outlier within 1% of acceptance criteria.
- r RPD value is outside method acceptance criteria.
- C Poor RPD values observed due to the non-homogenous nature of the sample.
- O Sample required dilution due to matrix interference.
- D Sample reported from a dilution.
- d Spike and/or surrogate diluted.
- P The recovery of this analyte is outside default QC limits. The data is accepted and will be used to calculate in-house statistical limits.
- E The reported concentration exceeds the instrument calibration. F The analyte is outside Q limits. The sample data is accepted since this analyte is not reported in associated samples.
- H Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
- q See the subcontract final report for qualifier explanation.

#### OUALTTY ASSURANCE METHODS

#### REFERENCES AND NOTES

#### Report Date: 10/28/2005

- W The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
- K High recovery will not affect the quality of reported results.
- Z See case narrative.

#### Explanation of Organic QC Outliers:

- e Method blank analysis yielded phthalate concentrations above the RL. Phthlates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- S Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
- T Sample analysis yielded poor surrogate recovery.
- R The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
- I The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
- X Gaseous compound. In-house QC limits are advisory.
- Y Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
- $\ensuremath{\mathbf{f}}$  Surrogate not associated with reported analytes.

#### Explanation of Inorganic QC Outliers:

- Q Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
- V The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
- e Serial dilution failed due to matrix interference.
- g Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficent for the MSA is greater than or equal to 0.995.
- s BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
- 1 BOD/cBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
- N Spiked sample recovery is not within control limits.
- n Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
- \* Duplicate analysis is not within control limits.

#### Abbreviations:

- Batch - Designation given to identify a specific extraction, digestion, preparation, or analysis set.
- Continuing Calibration Verification
- Low level standard check GFAA, Mercury
- Low level standard check ICP
- Dil Fac Dilution Factor Secondary dilution analysis
- Detection Limit Factor Duplicate

  - Extraction Blank (TCLP, SPLP, etc.) EB
  - Initial Calibration ICAL
  - Initial Calibration Blank ICB
  - Initial Calibration Verification
  - Interference Check Sample A ICP Interference Check Sample B ICP ISA
  - LCD - Laboratory Control Duplicate
  - LCS - Laboratory Control Sample
  - MB - Method Blank

#### QUALITY ASSURANCE METHODS

#### REFERENCES AND NOTES

Report Date: 10/28/2005

MD - Method Duplicate

MDL - Method Detection Limit

MQL - Method Quantitation Limit (TRRP)

MS - Matrix Spike

MSD - Matrix Spike Duplicate

ND - Not Detected PB - Preparation Blank

PREPF - Preparation Factor
RL - Reporting Limit

RL - Reporting Limit
RPD - Relative Percent Difference

RRF - Relative Response Factor

RT - Retention Time

SQL - Sample Quantitation Limit (TRRP)

TIC - Tentatively Identified Compound

#### Method References:

- (1) EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
- (2) EFA 600/R-94-111 Methods for the Determination of MEtals in Environmental Samples, Supplement I, May 1994.
- (3) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996, Update IVA January 1998, Update IVB November 2000.
- (4) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).
- (5) HACH Water Analysis Handbook 3rd Edition (1997).
- (6) Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
- (7) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.
- (8) ASTM Annual Book of Methods (Various Years)
- (9) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, Department of Agriculture, 1954.

## LABORATORY CHRONICLE

Job Number: 304654

Date: 10/28/2005

	Market. 304034			Date	C. 10/20/2003	
CUSTOMER: T3 Ener	rgy Services PROJE	CT: SUMP W	ASTE		ATTN: Ralph Castillo	
Lab ID: 304654-1	Client ID: SUMP1 T3-CYPRESS SUMP1	Date Re	cvd: 10/	'22/2005 Sam	ple Date: 10/21/2005	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Extracts FLAA/ICP TCLP	1	141005		10/25/2005 1000	
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP	1	141127		10/26/2005 0800	
ASTM D92-85	Flash & Fire Points (Cleveland Open Cup)	1	141164		10/26/2005 1000	
SW-846 7470A	Mercury (CVAA)	1	141110	141085	10/26/2005 1148	
SW-846 7470A	Mercury Preparation (CVAA) TCLP	1	141085		10/26/2005 0815	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	141083	141005	10/25/2005 1558	
SW-846 7.3	Reactivity, Cyanide and Sulfide	1	141038		10/25/2005 1200	
SW-846 8270C	Semivolatile Organics	1	141227	141127	10/27/2005 1106	1.00000
SW-846 9045C	Soil pH measured in water	1	141268		10/27/2005 1645	
SW-846 1311	TCLP Zero Headspace Extraction	1	140989		10/24/2008 2230	
SW-846 1311	Toxicity Characteristic Leachate Proced.	1	140987		10/24/2005 1730	
SW-846 8260B	Volatile Organics	1	141257	140989	10/26/2005 1347	20.0000
Lab ID: 304654-2	Client ID: SUMP2 T3-CYPRESS SUMP2	Date Re	cvd: 10/	22/2005 Sam	ple Date: 10/21/2005	
METHOD	DESCRIPTION	RUN#		PREP BT #(S)		DILUTION
SW-846 3010A	Acid Digestion Extracts FLAA/ICP TCLP	1	141005		10/25/2005 1000	
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP	1	141127		10/26/2005 0800	
SW-846 7470A	Mercury (CVAA)	1	141110	141085	10/26/2005 1149	
SW-846 7470A	Mercury Preparation (CVAA) TCLP	1	141085		10/26/2005 0815	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	141083	141005	10/25/2005 1602	
SW-846 7.3	Reactivity, Cyanide and Sulfide	1	141038		10/25/2005 1200	
SW-846 8270C	Semivolatile Organics	1	141227	141127	10/27/2005 1249	1.00000
SW-846 9045C	Soil pH measured in water	1	141268		10/27/2005 1645	
SW-846 1311	TCLP Zero Headspace Extraction	1	140989		10/24/2008 2230	
SW-846 1311	Toxicity Characteristic Leachate Proced.	1	140987		10/24/2005 1730	
SW-846 8260B	Volatile Organics	1	141257	140989	10/26/2005 1503	20.0000
	<del>-</del> '					

10997-3 Energy, Pratemed Indicates



# Waste Pre-Acceptance/Approval Letter

Date 7/25/2006

Dear Lance Robbins, Sean

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1692

Generator: T-3 Energy, Preferred Industries

Address: 14710 Cypress N. Houston Road

Cypress, TX 77429

# Waste Information

Name of Waste: TPH absorbent TCEQ Waste Code #: CESQ3191

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Clay absorbent used to clean up various oil spills from machining operations

Color: grey, white, black

Odor: oil like

pH: neutral

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

# CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

	P				
SECTION 1: Gene					
Company:	T-3 Energy Serv				
Address:	14710 Cypress N				
City, State, Zip:	Cypress, TX 774				
Contact:	Sean Doerflinger		Title:	Manager	
Phone No:		ell: 713-261-2879	_ Fax No:	832-237-054	16
24/hr Phone:	CES- 713-676-	1460	_		
U.S. EPA I.D. No:	→ CESQG			.14	
State I.D.	CESQG		SIC Code:	IVI	
					•
SECTION 2: Billin	g Information – 🗵	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No:			
SECTION 3: General	ral Description of t	he Waste			
N. CARL TOD	TT 41 1 .				
Name of Waste: TP		Aires Wester Class should not			lla francoscionina accomptiona
Detailed Description	1 of Process Genera	tting waste: Clay absorbent	used to clean up	various oil spi	lls from machining operations.
Physical State:	☐ Liquid	☐ Sludge [	Powder		
i nysicai State.	-				
	⊠ Solid	Filter Cake	Combination	1	
Color: Grey, White,	<u>Black</u>	Odor: <u>Oil like</u>			
Specific Gravity (wa	iter=1): <u>1.5</u>	Density: 12 lbs/gal			
Layers:	Single-phase	☐ Multi-phase			
•			_		
Container Type:	🖾 Drum	☐ Tote ☐	Truck		ther (explain)
Container Size:	<u>55 gal.</u>				
	<del></del>				
			1	_ ,,	•
Frequency:	Weekly	$\square$ Monthly $\boxtimes$	Quarterly	Y∈	early
Number of Units (co	ntainers): <u>1</u>	Other:			
Texas State Waste C	ode No: C	ESQ3191			
Proper U.S. DOT Sh	ipping Name:	Non-RCRA; Non-DC	T Regulated Ma	terial	
-				····	DO: NA
Class: NA	UN/N	IA: NA	PG: NA		RQ: NA
Flash Point	рИ	Reactive Sulfides	Reactive Cy	anides	Solids
none	pH neutral	Omg/l	Omg/I	amues	100%
Oil&Grease	TOC	Zinc	Copper	Nickel	
>1500mg/l	>1500 >1500mg/l	<u>0</u> mg/l	Omg/l	Omg/l	
- 1000 mg/l	2 1000mg/1	Omg/i	71118/1	\frac{\gamma_{11}}{\gamma_{11}}	

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE  The waste consists of the following materials	Concentration  Ranges are acceptable	Units or %
Clay Absorbent	90-100	%
Oil and Coolant	0-10	%
Dirt and soil	0-10	%
		+
		+

# **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Level  $\underline{D}$ 

# **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Analysis of sump sludge that contains the same oil and coolant at higher percentages

# **SECTION 7: Incompatibilities**

TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles:

Please list all incompatibilities (if any): oxidizers

# **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Reactivity: Corrosivity: Ignitability:	$\frac{\overline{X}}{X}$ $\underline{X}$				
SECTION 9: Gen	erator's Certifica	<u>ition</u>			
		pased on  generato	_ •	• •	

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\boxtimes$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Angus South	Date: 7/21/06
Printed Name/Title: SEANI DERFLINKER QUEST MANAGER	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Pathal Magak Additional Information	ation:
Date: 7-24-06 (Approved) Rejected	15
Approval Number: 1692	

SEC	CTION 10: Waste Receipt Classification Under 40 CFR 437	
Is th	this material a wastewater or wastewater sludge?   YES   NO	
If 'S	Yes', complete this section.	
PLI	EASE CHECK THE APPROPRIATE BOX, IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.	
<u>Metal</u>	Is Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment	
Oils St	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
<u>Organi</u>	ics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	

(1)	If the	aste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		aste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces alues listed below, the waste should be classified in the metals subcategory.
(3)	Chron Coppe Nickel	m: 0.2 mg/L  um: 8.9 mg/L  4.9 mg/L  37.5 mg/L  aste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or
	mckei	bove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

# **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SAMPLE INFORMATION
Date: 10/28/2005

Job Number:: 304654 Customer...: T3 Energy Services Attn....:: Ralph Castillo

Project Number.....: 99002917
Customer Project ID...: SUMP WASTE
Project Description...: General Analytical

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
304654-1	SUMP1 T3-CYPRESS SUMP1	Sludge	10/21/2005	09:15	10/22/2005	08:10
304654-2	SUMP2 T3-CYPRESS SUMP2	Sludge	10/21/2005	09:18	10/22/2005	08:10
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Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP1 T3-CYPRESS SUMP1 Date Sampled.....: 10/21/2005
Time Sampled.....: 09:15
Sample Matrix....: Sludge

Laboratory Sample ID: 304654-1 Date Received.....: 10/22/2005 Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0	1	10.0	mg/Kg	10/25/05	tws
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0	1 1	50.0	   mg/Kg	10/25/05	tws
SW-846 9045C	Soil pH, Soil	7.20	 	0.01 i	pH Units	   10/27/05 	sur
ASTM D92-85 SW-846 1311	Flash & Fire Points (Cleveland Open Cup) Ignitability (Flashpoint), Soil TCLP Semi-Volatiles Analysis, Solid	>212 Complete	   		degrees F	10/26/05 10/24/05	
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete	l 	 	! 	10/24/08	sso .
SW-846 6010B	Arsenic (As), TCLP	ND	1	0.100	mg/L	10/25/05	twr
SW-846 6010B	Barium (Ba), TCLP	2.45	 	0.100	mg/L	10/25/05	twr
SW-846 6010B	Cadmium (Cd), TCLP	0.421	1 i.	0.100	mg/L	10/25/05	twr
SW-846 6010B	Chromium (Cr), TCLP	ND	 	0.100	mg/L	10/25/05	twr
SW-846 6010B	Lead (Pb), TCLP	0.206	i I	0.100	mg/L	10/25/05	twr
SW-846 6010B		ND	 	0.200	mg/L	10/25/05	twr
SW-846 6010B	Silver (Ag), TCLP	ND	 	0.100	mg/L	10/25/05	twr
SW-846 7470A	Mercury (Hg), TCLP	ND	 	1.00	ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete	! ! !	 		10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVCC TCLP Separatory Funnel Liq/Liq Extraction, TCLP	Complete	 	; ! !		10/26/05	mra
SW-846 8270C	Semivolatile Organics 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Hexachlorobutadiene, TCLP Hexachloroethane, TCLP Mitrobenzene, TCLP 2-Methylphenol (o-Cresol), TCLP 4-Methylphenol (p-Cresol), TCLP Pentachlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4,6-Trichlorophenol, TCLP Pyridine, TCLP	ND ND ND ND ND ND 178 ND ND ND ND	 	16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05	acn acn acn acn acn acn acn acn acn
SW-846 8260B	Volatile Organics Benzene, TCLP	ND	 	100	ug/L	    10/26/05	l   

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP1 T3-CYPRESS SUMP1 Date Sampled....: 10/21/2005
Time Sampled....: 09:15
Sample Matrix...: Sludge

Laboratory Sample ID: 304654-1
Date Received.....: 10/22/2005
Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE TECH
	Carbon Tetrachloride, TCLP Chlorobenzene, TCLP Chloroform, TCLP 1,4-Dichlorobenzene, TCLP 1,2-Dichloroethane, TCLP 1,1-Dichloroethene, TCLP Tetrachloroethene, TCLP Trichloroethene, TCLP Vinyl Chloride, TCLP Methyl Ethyl Ketone (2-Butanone), TCLP	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1	100 100 100 100 100 100 100 100 100 100	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl 10/26/05 yxl
	rectiff Schiff Recoile (2-Sucarone), Teler			200	ug/ L	
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<sup>\*</sup> In Description = Dry Wgt.

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP2 T3-CYPRESS SUMP2 Date Sampled....: 10/21/2005
Time Sampled....: 09:18
Sample Matrix...: Sludge

Laboratory Sample ID: 304654-2 Date Received....: 10/22/2005 Time Received....: 08:10

			,			<del>,</del>	
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECI
SW-846 7.3	Reactivity, Cyanide, Soil	<10.0	1	10.0	mg/Kg	10/25/05	tws
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0	 	50.0	mg/Kg	10/25/05	tws
SW-846 9045C	Soil pH, Soil	4.60	1	0.01	pH Units	10/27/05	sur
SW-846 1311	TCLP Semi-Volatiles Analysis, Solid	Complete	! !	 		10/24/05	sso
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete				10/24/08	sso
SW-846 6010B	Arsenic (As), TCLP	ND	j I	0.100	mg/L	10/25/05	twr
SW-846 6010B	Barium (Ba), TCLP	2.94	j I	0.100	mg/L	10/25/05	twr
SW-846 6010B	Cadmium (Cd), TCLP	0.649		0.100	mg/L	10/25/05	twr
SW-846 6010B	Chromium (Cr), TCLP	ND	  -	0.100	mg/L	10/25/05	twr
SW-846 6010B	Lead (Pb), TCLP	0.222	i I I	0.100	mg/L	10/25/05	twr
SW-846 6010B	Selenium (Se), TCLP	ND	İ	0.200	mg/L	10/25/05	twr
SW-846 6010B	Silver (Ag), TCLP	ND	 	0.100	mg/L	10/25/05	twr
SW-846 7470A	Mercury (Hg), TCLP	ND	i I	1.00	ug/L	10/26/05	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete		i I		10/25/05	drl
SW-846 3510C	Extraction (Sep. Funnel) SVOC TCLP Separatory Funnel Liq/Liq Extraction, TCLP	Complete	†     	 		1      10/26/05	mra
SW-846 8270C	Semivolatile Organics 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Hexachlorobenzene, TCLP Hexachlorobenzene, TCLP Hexachloroethane, TCLP Nitrobenzene, TCLP 2-Methylphenol (o-Cresol), TCLP 4-Methylphenol (p-Cresol), TCLP Pentachlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4,6-Trichlorophenol, TCLP Pyridine, TCLP	ND ND ND ND 128 ND ND ND ND ND ND ND ND ND ND ND ND ND	]	14.3 14.3 14.3 14.3 14.3 14.3 14.3 14.3	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05 10/27/05	acn acn acn acn acn acn acn acn
SW-846 8260B	Volatile Organics Benzene, TCLP Carbon Tetrachloride, TCLP Chlorobenzene, TCLP	ND ND ND	· - - - - - - - - -	100 100 100	ug/L ug/L ug/L	10/26/05 10/26/05 10/26/05	, Ax J

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 304654

Date: 10/28/2005

CUSTOMER: T3 Energy Services

PROJECT: SUMP WASTE

ATTN: Ralph Castillo

Customer Sample ID: SUMP2 T3-CYPRESS SUMP2
Date Sampled.....: 10/21/2005
Time Sampled.....: 09:18
Sample Matrix....: Sludge

Laboratory Sample ID: 304654-2 Date Received.....: 10/22/2005 Time Received.....: 08:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
*	Chloroform, TCLP 1,4-Dichlorobenzene, TCLP 1,2-Dichloroethane, TCLP 1,1-Dichloroethene, TCLP Tetrachloroethene, TCLP Trichloroethene, TCLP Vinyl Chloride, TCLP Methyl Ethyl Ketone (2-Butanone), TCLP	ND ND ND ND ND ND ND ND ND ND ND ND ND		100 100 100 100 100 100 100 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10/26/05 10/26/05 10/26/05 10/26/05 10/26/05 10/26/05 10/26/05 10/26/05	Axj Axj Axj Axj Axj Axj
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<sup>\*</sup> In Description = Dry Wgt.

		Job Number	.: 304654	QUALIT	Y CONTRO	L RESUL		Date.: 10/	/28/20	05	
CU	STOMER: T3	Energy Serv	vices	PRO	JECT: SUMP WAST	E	ATIN: F	Ralph Casti	llo		
Me	thod Descr		IM D92-85 ash & Fire Point nitability (Flas			d				: rmc : IGNPMC	
QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result '	* Limits	F	Date	Tin
DU	304569-1		>212			>212	0.0	10.0		.0/26/2005	100
Me	hod Descri		-846 7.3 activity, Cyanid activity, Cyanid			: m	g/L	Analy Test		: tws : REACCN	
QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Résult '	Limits	F	Date	Tim
	14103821 14103821		75.18 0		1000	and the second second second second		0.00-200.		0/25/2005	
		•	0							0/40/2000	120
	304569-1 304569-1	WC3425A	73.24		1000	0 0	0 7	10 0-100		0/25/2005	
MS Te:	304569-1	SW-	73.24				7 	0-100 Analy	1 /st	0/25/2005	
MS Tea Met	304569-1 st Method	: SW- ption: Rea	73.24	e and Sulfide	Units.	-	7 	0-100 Analy	1 /st	0/25/2005	
Tes Met Par	304569-1 st Method	: SW- ption: Rea	73.24 -846 7.3 activity, Cyanid	e and Sulfide	Units.	0 mg	7 	0-100 Analy Test	1 /st	0/25/2005	120
Tes Met Par QC	304569-1 st Method chod Descri- rameter Lab ID 14103821	: SW-ption:: Rea: Rea Reagent WCS36889	73.24 -846 7.3 -ctivity, Cyanid activity, Sulfid  QC Result 1010.2	e and Sulfide e	Units Batch(s	0 mg	7 g/L	0-100 Analy Test	zst Code.	0/25/2005 : tws : REACS  Date 0/25/2005	120 Tim
Tes Met Pau CC LCS	304569-1 st Method chod Descri rameter	: SW-ption:: Rea: Rea Reagent WCS36889	73.24 -846 7.3 -ctivity, Cyanidactivity, Sulfid	e and Sulfide e	Units. Batch(s True Value	0 mg	7 g/L Calc. Result *	0-100 Analy Test Limits	rstCode.	0/25/2005 : tws : REACS	Tim 120 120 120
Tes Met Pau QC LCS MB	304569-1 at Method chod Descri- cameter Lab ID 14103821 14103821	: SW-ption:: Rea: Rea Reagent WCS36889	73.24  -846 7.3 -ctivity, Cyanid activity, Sulfid  QC Result  1010.2 0	e and Sulfide e	Units. Batch(s True Value	0: mgs): 141038 Orig. Value	7  g/L  Calc. Result *  63.5	0-100  Analy Test  Limits  0.00-200.	rstCode.	0/25/2005 : tws : REACS  Date 0/25/2005 0/25/2005	Tim 120 120 120
Tes Met Pai QC LCS MB DU MS	304569-1  st Method  Lab ID  14103821 14103821 304569-1 304569-1 st Method  st Method	Reagent WCS36889 WCS36889	73.24  -846 7.3 -activity, Cyanidactivity, Sulfid  QC Result  1010.2 0 0 438.78  -846 9045C	e and Sulfide e QC Result	Units Batch(s True Value 1591.84 1591.84 Units	0 :: mg: s): 141038 Orig. Value	7  2/L  Calc. Result *  63.5  0 29	0-100  Analy Test  Limits  0.00-200.  50 0-100  Analy	rstCode. F 11 11 11	0/25/2005 : tws : REACS  Date 0/25/2005 0/25/2005 0/25/2005	Tim 120 120 120 120
Tes Met Pau QC LCS MB DU MS	304569-1  st Method  Lab ID  14103821 14103821 304569-1 304569-1 st Method  st Method	Reagent WCS36889 WCS36889: SW-ption:: Sw-ption:: Soi	73.24  -846 7.3 -activity, Cyanidactivity, Sulfid  QC Result  1010.2 0 0 438.78  -846 9045C	e and Sulfide e QC Result	Units Batch(s True Value 1591.84 1591.84 Units	0 mcs): 141038 Orig. Value 0 0	7  2/L  Calc. Result *  63.5  0 29	0-100  Analy Test  Limits  0.00-200.  50 0-100  Analy Test	rstCode. F 11 11 11	0/25/2005  : tws : REACS  Date  0/25/2005  0/25/2005  0/25/2005  : sur	Tim 120 120 120 120
Tes Met Pau CC LCS MB OU MS Met Pau CC	304569-1  St Method thod Descripameter  Lab ID  14103821 14103821 304569-1 304569-1 st Method thod Descripameter	Reagent WCS36889 WCS36889 WCS36889  WCS36889  Reagent: Sw- ption: Soi Reagent WC3373	73.24  -846 7.3 -activity, Cyanidactivity, Sulfidactivity, Sul	e and Sulfide e  QC Result	Units Batch(s  True Value  1591.84  1591.84  Units Batch(s  True Value  7.0	0: mg s): 141038 Orig. Value 0 0 0: pF	7  Calc. Result *  63.5  0 29  i Units  Calc. Result *	0-100  Analy Test  Limits  0.00-200.  50  0-100  Analy Test  Limits  99.0-101.	rstCode.  F 11 11 11 Code.	0/25/2005  : tws : REACS  Date  0/25/2005  0/25/2005  0/25/2005  : sur : 9045B  Date  0/27/2005	Tim 1200 1200 1200 1200 1200 1200
Tes Met Pau CC LCS MB DU MS Met Pau CC CS CCV	304569-1  st Method  Lab ID  14103821 14103821 304569-1 304569-1 st Method  thod Description	reagent  WCS36889  WCS36889  WCS36889  WCS36889  WCS36889  WCS36889  WCS36889	73.24  -846 7.3 -activity, Cyanidactivity, Sulfidactivity, Sul	e and Sulfide e  QC Result	Units Batch(s  True Value  1591.84  1591.84  Units Batch(s  True Value  7.0 7.0	0: mg s): 141038 Orig. Value 0 0 0: pF	7  Calc. Result *  63.5  0 29  i Units  Calc. Result *  99.9 99.9	0-100  Analy Test  Limits  0.00-200.  50 0-100  Analy Test  Limits  99.0-101. 99.0-101.	1	0/25/2005 : tws : REACS  Date 0/25/2005 0/25/2005 0/25/2005 : sur : 9045B  Date 0/27/2005 0/27/2005	Tim 1200 1200 1200 1200 1200 1200 1200
Tes Met Pau CC LCS MB OU MS Met Pau CC	304569-1  st Method  Lab ID  14103821 14103821 304569-1 304569-1 st Method  thod Description	Reagent WCS36889 WCS36889 WCS36889  WCS36889  Reagent: Sw- ption: Soi Reagent WC3373	73.24  -846 7.3 -activity, Cyanidactivity, Sulfidactivity, Sul	e and Sulfide e  QC Result	Units Batch(s  True Value  1591.84  1591.84  Units Batch(s  True Value  7.0	0: mg s): 141038 Orig. Value 0 0 0: pF	7  Calc. Result *  63.5  0 29  i Units  Calc. Result *	0-100  Analy Test  Limits  0.00-200.  50  0-100  Analy Test  Limits  99.0-101.	1	0/25/2005  : tws : REACS  Date  0/25/2005  0/25/2005  0/25/2005  : sur : 9045B  Date  0/27/2005	Tim 120 120 120 120 120 120 120 120 120

	-	Job Number.: 304654	QUALITY	CONTR	OL R	ESUL	тs	Repor	t Date.: 10/2	8/2005
CUSTOM	ER: T	3 Energy Services	PROJEC	CT: SUMP WAS	STE			ATTN:	Ralph Castil	lo
∞ ту	pe	Description		Reag. C	code	Lal	o ID	Dilu	tion Factor	Date Time
		: SW-846 7470A ription.: Mercury (CVAA)			n(s):		ıg/L		Analys	t: dcl
CCB		Continuing Calibration Bloom	ank				unit in the second		in the	10/26/2005 1119
	Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits F
Mercury	(Hg)		-0.0065387							
CCB	e de la composition della composition della comp	Continuing Calibration Bla	ank						or Helivia	10/26/2005 1138
	Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits F
Mercury	(Hg)		0.01990520							
ССВ		Continuing Calibration Bla	ank					in the		10/26/2005 1157
	Parar	neter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits F
Mercury	(Hg)		0.01140038							
ССВ		Continuing Calibration Bla	ank							10/26/2005 1214
	Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits F
Mercury	(Hg)		0.01722202							
ccv		Continuing Calibration Ver	rification	MSHGICV2	xiudaeia		j. Majka		લાક <u>સિંદી હતું</u>	10/26/2005 1117
	Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits F
Mercury	(Hg)		3.17469560			3.00			105.8	90.0-110.0
ccv		Continuing Calibration Ver	rification	MSHGICV2						10/26/2005 1136
	Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits F
Mercury	(Hg)		3.18886165			3.00			106.3	90.0-110.0
ccv		Continuing Calibration Ver	ification	MSHGICV2						10/26/2005 1155
	Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits F
Mercury	(Hg)		3.26886216			3.00			109.0	90.0-110.0

Page 7 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	OL R	ESUL	rs	Report	Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJE	CT: SUMP WAS	re	ra j		ATTN:	Ralph Castil	lo	
QC Type	Description		Reag. Co	ode	Lab	ID	Dilut	ion Factor	Date	Time
ccv · spinos	Continuing Calibration Ver	ification	MSHGICV2						10/26/2005	1212
Para	meter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Resul	t * Limit:	s F
Mercury (Hg)		3.25815088			3.00			108.6	90.0-1	10.0
CRA	Contract Required Detection	n Limit	MSHGICV2		2 a.V		100		10/26/2005	1115
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg)		0.17804869		<del></del>	3.00			5.9	50.0-1	50.0
EB	Extraction Blank				141085		A. Amelina con		10/26/2005	1125
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit:	s F
Mercury (Hg)		-0.0219604								
EB	Extraction Blank				141085		5/1		10/26/2005	1127
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg)		0.01377787								
ЕВ	Extraction Blank	judi seleta kanala Bili di sebagai	i in wile audi		141085		S. A.		10/26/2005	1204
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	s F
Mercury (Hg)		0.05285686							<del></del>	
ICB	Initial Calibration Blank								10/26/2005	1114
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	s F
Mercury (Hg)		0.01722716								
icv	Initial Calibration Verific	cation	MSHGICV2						10/26/2005	1111
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	s F
Mercury (Hg)		3.10705520			3.00			103.6	95.0-10	05.0
LCS	Laboratory Control Sample		MSHGICV2		141085				10/26/2005	1123
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	5 F
Mercury (Hg)		3.22947618			3.00			107.6	90.0-1	10.0

Page 8 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTROL	R	ESULT	S	Report	Date.: 10/2	8/2005	
CUSTOMER: T	'3 Energy Services	PROJE	CT: SUMP WASTE			· .	ATTN: I	Ralph Castil	lo	
QC Type	Description		Reag. Code		Lab	ID	Dilut	lon Factor	Date	Time
MD	Method Duplicate		No.		304609-1				10/26/2005	1141
Para	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg),	TCLP	0.01002880	0.00384602			0.	00384602	0.006182	78 0.2000	0000
MD	Method Duplicate				304014-1				10/26/2005	1159
Para	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg),	Water	1.16023996	-0.0667680			-0	.0667680	1.227007	96 0.2000	0000 C
MS	Matrix Spike		MSHGICV2		304609-1				10/26/2005	1143
Para	meter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg),	TCLP	2.85894292			3.00	0.	00384602	95.2	75–1	25
MS	Matrix Spike		MSHGICV2		304014-1				10/26/2005	1200
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg),	Water	1.30765961			3.00	-0	.0667680	45.8	75-1	25 a
MSD	Matrix Spike Duplicate		MSHGICV2		304609-1				10/26/2005	1145
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg),	TCLP	2.83310428	2.85894292		3.00	0.	00384602	94.3 0.9	75–1 20	25
MSD	Matrix Spike Duplicate		MSHGTCV2		304014-1		ar ag		10/26/2005	1202
Para	meter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg),	Water	2.96998358	1.30765961		3.00	-0	.0667680	101.2 75.4	75-1 20	25 a
РВ	Prep. Blank				141085				10/26/2005	1121
Parar	meter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Resul	t * Limit	s F
Mercury (Hg)		0.01195031				****				

Page 9 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654		CONTRO				Report	Date.: 10/	28/2005	
CUSTOMER: T3	Energy Services	PROJEC	T: SUMP WAS	re :	. '* .		ATIN:			
QC Туре	Descripti	on	Reag. Co	ode	Lab	ID	Dilut	ion Factor	Date	Time
PDS	Post Digestion Spike		MSHGICV2		304609-	1			10/26/2005	1208
Param	eter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Mercury (Hg),	TCLP	3.77248505		<del></del>	3.00	0.	.0038460	2 125.6	75-1	.25 A
so So	Calibration Blank		Mag.				1 1		10/26/2005	1057
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Mercury (Hg)		0		-						
so.2	Calibration Standard			نستعوسني	And the second second			ج جيالاندارد:	10/26/2005	1059
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Mercury (Hg)		0								
S0.5	Calibration Standard				Jana Jana	e filosofia			10/26/2005	1101
Parame	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
ercury (Hg)		0								
S1.0	Calibration Standard						Le Steff		10/26/2005	1103
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
ercury (Hg)		0								
S10.0	Calibration Standard								10/26/2005	1109
Parame	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
ercury (Hg)		0								
S2.0	Calibration Standard					(Arrill			10/26/2005	1104
Parame	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
ercury (Hg)		0								. –
S5.0	Calibration Standard				an, kity				10/26/2005	1107
Damam	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F

Page 10 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	rs	Report	Date.: 10/2	28/2005	
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE				ATIN:			
QC Type	Description		Reag. Code	)	Lab	ID	Dilut	ion Factor	Date	Time
SD	Serial Dilution				304609-	1	5	i san an	10/26/2005	1210
Para	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Resul	t * Limits	5 F
Mercury (Hg),	TCLP	0.00946219				0.	0038460	)2		
1	: SW-846 6010B ription.: Metals Analysis (ICA	AP Trace)			: mx 141053 14			Analys	st: twr	
ССВ	Continuing Calibration Blank		7 (14) (15) (15) (15) (15) (15) (15) (15) (15	e ja a	or wifely	: Miles		111/04	10/25/2005	0907
Para	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Resul	t * Limits	5 F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00223 -0.00011 0.00007 -0.00048 -0.00103 0.00162 -0.00030								
CCB	Continuing Calibration Blank	CC Result	OC Result	True	value	Orig.	Value	Calc. Resul	10/25/2005	
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00283 0.00017 0.00037 0.00312 -0.00237 0.00086 0.00265								
ССВ	Continuing Calibration Blank								10/25/2005	1043
Paran	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resul	t * Limits	5 F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00301 -0.00011 0.00038 0.00055 -0.00187 -0.00171 0.00004								
ССВ	Continuing Calibration Blank		and the same						10/25/2005	1304
Paran	meter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Resul	t * Limits	s F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr)		-0.00179 -0.00024 0.00060 0.00065								······································

Page 11 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT		Repor	t Date.: 10/2	28/2005	
CUSTOMER: T3	3 Energy Services	PROJEC	CT: SUMP WASTE				ATTN:			
QC Type	Description		Reag. Code	9	Lab	ID	Dilu	tion Factor	Date '	Time
CCB	Continuing Calibration Blank		12.4			vi <sub>e</sub>			10/25/2005	1304
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Lead (Pb) Selenium (Se) Silver (Ag)		-0.00192 0.00080 -0.00056	<u></u>							
CCB	Continuing Calibration Blank		a gerija,	1.77					10/25/2005	1510
Param	meter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00271 -0.00006 0.00067 0.00118 0.00000 0.00477 0.00001								
ccv	Continuing Calibration Verifi	cation	MS102005CC			in ja .	1,111		10/25/2005	0903
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49296 0.50222 0.50277 0.51103 0.49848 0.49739 0.24853			0.500 0.500 0.500 0.500 0.500 0.500 0.25			98.6 100.4 100.6 102.2 99.7 99.5 99.4	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0
ccv	Continuing Calibration Verifi	cation	MS102005CC		1/941.ja		J. Sept.		10/25/2005	0952
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49038 0.49908 0.50302 0.52313 0.49588 0.49453 0.24869			0.500 0.500 0.500 0.500 0.500 0.500 0.25			98.1 99.8 100.6 104.6 99.2 98.9 99.5	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0
ccv	Continuing Calibration Verifi	cation	MS102005CC		J. J. P. V. J.		T		10/25/2005	1039
Parame	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
		0.48543			0.500			97.1	90.0-11	

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	rs	Repor	t Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE		<u>.</u>		ATTN:		<u> </u>	
QC Type	Description		Reag. Cod	е	Lab	ID	Dilu	tion Factor	Date :	Time
ccv	Continuing Calibration Ver	ification	MS102005CC						10/25/2005	1039
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Silver (Ag)		0.24771			0.25			99.1	90.0-11	0.0
ccv	Continuing Calibration Veri	fication	MS102005CC					\$5 to [34]	10/25/2005	1300
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.48737 0.48475 0.50407 0.52760 0.50045 0.48792 0.24702			0.500 0.500 0.500 0.500 0.500 0.500 0.25			97.5 97.0 100.8 105.5 100.1 97.6 98.8	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	0.0
CCV	Continuing Calibration Veri	fication	MS102005CC			yearin)			10/25/2005	1506
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51303 0.49876 0.53506 0.52809 0.53097 0.50107 0.25197			0.500 0.500 0.500 0.500 0.500 0.500 0.25			102.6 99.8 107.0 105.6 106.2 100.2 100.8	90.0-110 90.0-110 90.0-110 90.0-110 90.0-110 90.0-110	0.0
CH1	Calibration check standard	1	MS092605T1						10/25/2005	0847
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	t * Limits	F
Arsenic (As) Barium (Ba) Cachnium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00750 0.00863 0.00510 0.01022 0.00699 0.00897 0.00451		-	0.0100 0.0100 0.00500 0.0100 0.0100 0.0100 0.00500			75.0 86.3 102.0 102.2 68.9 89.7 90.2	50.0-150 50.0-150 50.0-150 50.0-150 50.0-150 50.0-150	0.0 0.0 0.0 0.0
CH3	Standard check for ICAP		MS100505T3						10/25/2005	0835
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		1.99451 1.99566 1.00030 2.01040 1.99881 1.99739 0.99918			2.00 2.00 1.00 2.00 2.00 2.00 1.00			99.7 99.8 100.0 100.5 99.9 99.9	95.0-105 95.0-105 95.0-105 95.0-105 95.0-105 95.0-105 95.0-105	5.0 5.0 5.0 5.0

Page 13 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	'S	Report	Date.: 10/	28/2005	
CUSTOMER: T3	B Energy Services	PROJEC	T: SUMP WASTE				ATTN:			
QC Type	Description		Reag. Cod	е	Lab	ID	Dilut	ion Factor	Date	Time
CRI	Contract Required Detection	n Limits	MS100505CR		Tag un		T		10/25/2005	0851
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Arsenic (As) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.01561 0.01028 0.02141 0.00441 0.01301 0.02042		•	0.0200 0.010 0.0200 0.0060 0.010 0.0200			78.0 102.8 107.0 73.5 130.1 102.1	50.0-1 50.0-1 50.0-1 50.0-1 50.0-1 50.0-1	50.0 50.0 50.0 50.0
EB	Extraction Blank				140987-1		1,000		10/25/2005	1434
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value.	Calc. Resu	Lt * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00674 0.00501 0.00072 0.00125 -0.00210 0.00488 -0.00011								
EB	Extraction Blank				140987-4	g die	- t <sub>185</sub> .		10/25/2005	1458
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00115 0.00941 0.00049 0.00230 -0.00252 0.00122 0.00127								
ICB	Initial Calibration Blank				dys/taft				10/25/2005	0843
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	Lt * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00084 0.00018 0.00028 0.00227 -0.00232 0.00012 0.00229								

Page 14 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	េន	Repor	t Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE				ATTN:		+ 1	d.
QC Type	Description		Reag. Cod	е	Lab	ID	Dilu	tion Factor	Date	Time
ICV	Initial Calibration Verification	ation	MS102005CC						10/25/2005	0839
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49769 0.50439 0.50012 0.50469 0.49552 0.50041 0.24687			0.500 0.500 0.500 0.500 0.500 0.500 0.500			99.5 100.9 100.0 100.9 99.1 100.1 98.7	95.0-10 95.0-10 95.0-10 95.0-10 95.0-10 95.0-10	05.0 05.0 05.0 05.0 05.0
ISA	Interference Check Sample A		MS100505IA	1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			44		10/25/2005	0855
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00278 0.00135 -0.00016 0.00556 0.01106 0.02005 0.00019			0.0 0.0 0.0 0.0 0.0 0.0					
ISB	Interference Check Sample B		MS100505IB						10/25/2005	0859
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.97597 1.05638 0.49294 1.06614 1.03349 0.98937 0.55617			1.00 1.00 0.500 1.00 1.00 1.00			97.6 105.6 98.6 106.6 103.3 98.9 111.2	80.0-12 80.0-12 80.0-12 80.0-12 80.0-12 80.0-12	20.0 20.0 20.0 20.0 20.0
ICS	Laboratory Control Sample		MSPIKE3	38. L		ara, [g#4]			10/25/2005	0917
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.95926 0.95173 0.48071 0.98696 0.95710 0.97987 0.47844			1.00 1.00 0.500 1.00 1.00 1.00 0.500			95.9 95.2 96.1 98.7 95.7 98.0 95.7	85.0-1: 85.0-1: 85.0-1: 85.0-1: 85.0-1: 85.0-1: 85.0-1:	15.0 15.0 15.0 15.0 15.0

Page 15 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Tob N											
000 1	lumber.: 304654	QUALITY	CONTRO	L R	ESULT	S	Report	Date.: 10/2	3/2005		
CUSTOMER: T3 Energ	y Services	PROJE	CT: SUMP WASTE		<del></del>		ATTN:		····		
QC Type	Description		Reag. Cod	е	Lab I	.D	Dilut	ion Factor	Date	e T	rime
LCS Labor	ratory Control Sample		MSPIKE3		141005		<del>                                     </del>	T	10/25,	/2005	1430
Parameter/T	est Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* ]	Limits	
rsenic (As) arium (Ba) admium (Cd) nromium (Cr) ead (Pb) elenium (Se) ilver (Ag)		0.98926 0.95112 0.51103 1.03003 1.01742 0.97576 0.49256			1.00 1.00 0.500 1.00 1.00 1.00 0.500			98.9 95.1 102.2 103.0 101.7 97.6 98.5	8! 8! 8! 8!	5.0-115 5.0-115 5.0-115 5.0-115 5.0-115 5.0-115	5.0 5.0 5.0 5.0
MD Metho	d Duplicate				304370-1	7 <u>1</u> 2 3			10/25,	/2005	1442
Parameter/T	est Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* ]	Limits	F
csenic (As), TCLP arium (Ba), TCLP admium (Cd), TCLP arcmium (Cr), TCLP and (Pb), TCLP alenium (Se), TCLP alevium (Ag), TCLP		0.01068 0.86758 0.00058 0.00352 0.00438 0.00548 -0.00028	0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090				0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	0.00161 2.9 0.00009 0.00073 0.00103 0.00015	20	.02000 .00500 .01000 .01000 .04000	
MS Matri	x Spike		MSPIKE3		304370-1	10.7			10/25,	/2005	1446
Parameter/T	est Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* ]	Limits	I
rsenic (As), TCLP arium (Ba), TCLP achium (Cd), TCLP arcmium (Cr), TCLP acd (Pb), TCLP alenium (Se), TCLP llver (Ag), TCLP		0.96968 1.91303 0.49698 1.08308 1.04610 0.98791 0.54781			1.00 1.00 0.500 1.00 1.00 0.500		0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	95.7 102.0 99.7 108.0 104.3 98.3 109.4		75-125 75-125 75-125 75-125 75-125 75-125 75-125	5
MSD Matri	x Spike Duplicate		MSPIKE3		304370-1	Mar.	el filoso		10/25/	2005	1450
Parameter/T	est Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* I	imits	F
senic (As), TCLP		0.95362	0.96968		1.00		0.01229	94.1 1.7	20	75-125	,
rium (Ba), TCLP		1.88126	1.91303		1.00		0.89316	98.8 3.2	20	75-125	;
dmium (Cd), TCLP		0.49228	0.49898		0.500		0.00067	98.3 1.4		75-125	į
romium (Cr), TCLP	·	1.06925	1.08308		1.00		0.00279	106.6 1.3	20	75-125	<b>;</b>
ad (Pb), TCLP		1.03317	1.04610		1.00		0.00335	103.0 1.3	20	75-125	<b>.</b>
		0.001#0	0 00701		1 00		0.00522		20		
lenium (Se), TCLP		0.98172	0.98791		1.00		0.00533	97.6 0.7	20	75-125 1	,

Page 16 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	S	Report	Date.: 10	/28/2005	
CUSTOMER: T3	3 Energy Services	PROJEC	CT: SUMP WASTE				ATTN:			•
QC Type	Description		Reag. Cod	е	Lab	ID	Dilut	ion Factor	Date	Time
PB 1	Prep. Blank				141005				10/25/2005	1427
Param	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Res	ult * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00277 -0.00010 0.00097 0.00171 -0.00073 0.00050 -0.00033								<del></del>
<b>S</b> 0	Calibration Blank					4,11			10/25/2005	0826
Param	meter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Res	ult * Limits	F F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00387 0.00033 -0.01817 -0.00020 0.00024 0.00023 -0.00719								
SD	Serial Dilution				304671-1	lega,		ti tay yar	10/25/2005	1036
Param	eter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Res	ult * Limits	F F
Arsenic (As), Barium (Ba), W Cadmium (Cd), Chromium (Cr), Lead (Pb), Wat Selenium (Se), Silver (Ag), W	ater Water Water er Water	0.00210 0.01742 0.00052 0.00197 -0.00182 0.00137 0.00079						÷ .		<del></del> -
STD	Spiked Blank Duplicate								10/25/2005	0831
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Res	ult * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Silver (Ag)		2.99436 0.60791 17.20330 0.66129 0.55787								

Page 17 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	r s	Repor	t Date.: 10/	28/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE	3			ATTN:	and the second		
QC Type	Description		Reag. Cod	le	Lab	ID	Dilu	tion Factor	Date	Time
ССВ	Continuing Calibration Blank	<b>S</b> (1) (1)				-, 14.			10/25/2005	0907
Para	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Resu	lt * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00223 -0.00011 0.00007 -0.00103 0.00162 -0.00030								
CCB	Continuing Calibration Blank							معدورة والمستدورة والم	10/25/2005	0956
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limit:	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00283 0.00017 0.00037 0.00312 -0.00237 0.00086 0.00265				·				
CCB	Continuing Calibration Blank		en grande de la companya de la companya de la companya de la companya de la companya de la companya de la comp			en de la	1,5 A		10/25/2005	1043
Param	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resu	lt * Limits	3 F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00301 -0.00011 0.00038 0.00055 -0.00187 -0.00171 0.00004								
CCB	Continuing Calibration Blank					ļ. ķ. yr.	Set v		10/25/2005	1304
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig. V	/alue	Calc. Resu	lt * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00179 -0.00024 0.00060 0.00065 -0.00192 0.00080 -0.00056								<del></del>

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	T S	Repor	t Date.: 10	)/28/2005		
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE				ATTN:			1.71	
QC Type	Description		Reag. Cod	е	Lab	ID	Dilu	tion Factor	Date	Т	ime
CCB	Continuing Calibration Bl	ank a table a table	in gara	i de la composition della composition della comp					10/25/2	2005 :	1510
Para	meter/Test Description	QC Result	QC Result	Tru	e Value	Orig.	Value	Calc. Res	ult * Li	mits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00271 -0.00006 0.00067 0.00118 0.00000 0.00477 0.00001									
CCB	Continuing Calibration Bla	enk							10/25/2	2005	1625
Param	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Res	ult * Li	mits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00362 0.00024 0.00048 0.00055 -0.00230 0.00056 0.00160								-	-
CCB	Continuing Calibration Bla	ink			r 33.5.	fer fil			10/25/2	005	1645
Param	meter/Test Description	QC Result	QC Result	True	e Value	Orig.	Value	Calc. Res	ult * Li	mits	F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00185 0.00015 0.00040 0.00211 -0.00018 0.00290 0.00185	:				-				
ССВ	Continuing Calibration Bla	mk							10/25/2	005	1732
Param	eter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Res	ult * Li	mits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00271 -0.00007 0.00041 0.00050 0.00084 0.00057 0.00086									

Page 19 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	TS	Report	Date.: 10/	28/2005	
CUSTOMER: T	3 Energy Services	PROJE	CT: SUMP WASTE	:			ATTN:		+ £.	
QC Type	Description		Reag. Cod	le	Lab	ID	Dilut	ion Factor	Date	Time
ССВ	Continuing Calibration Blar	ık						+ 25 to 1	10/25/2005	1819
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00200 -0.00001 0.00032 0.00144 -0.00007 0.00126 0.00049								
ССВ	Continuing Calibration Blan	ık	a Destric	di vi	, eder je				10/25/2005	1906
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00143 0.00020 0.00031 0.00133 -0.00162 0.00302 0.00145								
CCB	Continuing Calibration Blan	k							10/25/2005	1926
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00029 -0.00001 0.00041 0.00176 0.00040 0.00116 -0.00026								
ccv	Continuing Calibration Veri	fication	MS102005CC			gallega s		North State of the Control of the Co	10/25/2005	0903
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49296 0.50222 0.50277 0.51103 0.49848 0.49739 0.24853			0.500 0.500 0.500 0.500 0.500 0.500 0.25			98.6 100.4 100.6 102.2 99.7 99.5 99.4	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	0.0 0.0 0.0 0.0

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL:	rs	Report	Date.: 10/2	28/2005	
CUSTOMER: T	3 Energy Services	PROJEK	CT: SUMP WASTE				ATTN:			
QC Туре	Description		Reag. Cod	е	Lab	ID	Dilut	ion Factor	Date	Time
CCV	Continuing Calibration Ve	rification	MS102005CC	٠					10/25/2005	0952
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.49038 0.49908 0.50302 0.52313 0.49588 0.49453 0.24869			0.500 0.500 0.500 0.500 0.500 0.500 0.25		-	98.1 99.8 100.6 104.6 99.2 98.9 99.5	90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1	10.0 10.0 10.0 10.0 10.0
CCV	Continuing Calibration Ve	rification	MS102005CC				3.4.2		10/25/2005	1039
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.48543 0.49222 0.50664 0.53195 0.50160 0.48874 0.24771			0.500 0.500 0.500 0.500 0.500 0.500			97.1 98.4 101.3 106.4 100.3 97.7 99.1	90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1	10.0 10.0 10.0 10.0 10.0
ccv :	Continuing Calibration Ve	rification	MS102005CC						10/25/2005	1300
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit:	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.48737 0.48475 0.50407 0.52760 0.50045 0.48792 0.24702			0.500 0.500 0.500 0.500 0.500 0.500 0.25			97.5 97.0 100.8 105.5 100.1 97.6 98.8	90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1	10.0 10.0 10.0 10.0 10.0
CCV	Continuing Calibration Ver	rification	MS102005CC			444	1814		10/25/2005	1506
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51303 0.49876 0.53506 0.52809 0.53097 0.50107 0.25197			0.500 0.500 0.500 0.500 0.500 0.500 0.25			102.6 99.8 107.0 105.6 106.2 100.2	90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1	10.0 10.0 10.0 10.0 10.0

Page 21 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	ı R	ESUL	T S	Report	t Date.: 10/2	28/2005	
CUSTOMER: TO	3 Energy Services	PROJEK	CT: SUMP WASTE			1	ATTN:			
QC Type	Description	n	Reag. Code		Lab	ID	Dilu	tion Factor	Date	Time
ccv	Continuing Calibration Ve	erification	MS102005CC			Maria V			10/25/2005	1621
Paran	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resu	lt * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51428 0.51509 0.53489 0.52521 0.53244 0.51055 0.25417			0.500 0.500 0.500 0.500 0.500 0.500 0.500		-	102.9 103.0 107.0 105.0 106.5 102.1 101.7	90.0-13 90.0-13 90.0-13 90.0-13 90.0-13 90.0-13	10.0 10.0 10.0 10.0
CCV	Continuing Calibration Ve	erification	MS102005CC			eka e			10/25/2005	1641
Paran	meter/Test Description	QC Result	QC Result	True	. Value	Orig.	Value	Calc. Resul	lt * Limits	s F
Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.51817 0.51199 0.53952 0.52169 0.53673 0.50975 0.25318			0.500 0.500 0.500 0.500 0.500 0.500 0.500			103.6 102.4 107.9 104.3 107.3 102.0 101.3	90.0-13 90.0-13 90.0-13 90.0-13 90.0-13 90.0-13	10.0 10.0 10.0 10.0
CCA	Continuing Calibration Ve	erification	MS102005CC						10/25/2005	1728
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	lt * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52138 0.52447 0.54226 0.52246 0.53805 0.51251 0.25449			0.500 0.500 0.500 0.500 0.500 0.500 0.500			104.3 104.9 108.5 104.5 107.6 102.5 101.8	90.0-11 90.0-13 90.0-13 90.0-13 90.0-13 90.0-13	LO.0 LO.0 LO.0 LO.0
ccv	Continuing Calibration Ve	erification	MS102005CC						10/25/2005	1815
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	lt * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52060 0.52473 0.54239 0.52131 0.53813 0.51538 0.25525			0.500 0.500 0.500 0.500 0.500 0.500			104.1 104.9 108.5 104.3 107.6 103.1 102.1	90.0-11 90.0-11 90.0-11 90.0-11 90.0-11 90.0-11	LO.O LO.O LO.O LO.O

Page 22 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULI	r s	Report	Date.: 10/2	28/2005	
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE				ATIN:			·
QC Type	Description		Reag. Code	9	Lab	ID	Dilut	ion Factor	Date	Time
CCV	Continuing Calibration Veri	fication	MS102005CC		· .	3 3 3	T		10/25/2005	1902
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	lt * Limit	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52541 0.52567 0.54530 0.52039 0.53931 0.51842 0.25556			0.500 0.500 0.500 0.500 0.500 0.500 0.25			105.1 105.1 109.1 104.1 107.9 103.7 102.2	90.0-1 90.0-1 90.0-1 90.0-1 90.0-1 90.0-1	10.0 10.0 10.0 10.0
ccv	Continuing Calibration Veris	fication	MS102005CC	35 <sub>1.1</sub>	jeti, toti i			1, 11, 11, 11, 11	10/25/2005	1922
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	3 F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.52433 0.52698 0.54667 0.51999 0.54053 0.51724 0.25572			0.500 0.500 0.500 0.500 0.500 0.500 0.25			104.9 105.4 109.3 104.0 108.1 103.4 102.3	90.0-1: 90.0-1: 90.0-1: 90.0-1: 90.0-1: 90.0-1:	10.0 10.0 10.0 10.0
CH1	Calibration check standard 1		MS092605T1						10/25/2005	0847
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00750 0.00863 0.00510 0.01022 0.00689 0.00897 0.00451			0.0100 0.0100 0.00500 0.0100 0.0100 0.0100 0.00500			75.0 86.3 102.0 102.2 68.9 89.7 90.2	50.0-15 50.0-15 50.0-15 50.0-15 50.0-15 50.0-15	50.0 50.0 50.0 50.0
CH3 4,474,474	Standard check for ICAP		MS100505T3		ikist.	este e Santag	1.5.7	(sets II, st	10/25/2005	0835
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		1.99451 1.99566 1.00030 2.01040 1.99881 1.99739 0.99918			2.00 2.00 1.00 2.00 2.00 2.00 2.00 1.00			99.7 99.8 100.0 100.5 99.9 99.9	95.0-10 95.0-10 95.0-10 95.0-10 95.0-10 95.0-10	05.0 05.0 05.0 05.0 05.0

Page 23 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	rs	Repor	t Date.: 10/2	28/2005	
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE				ATIN:			
QC Type	Description		Reag. Code		Lab	ID	Dilu	ion Factor	Date :	Pime
CRI : [	Contract Required Detection	Limits	MS100505CR			1			10/25/2005	0851
Parar	neter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.01561 0.01028 0.02141 0.00441 0.01301 0.02042			0.0200 0.010 0.0200 0.0060 0.010 0.0200			78.0 102.8 107.0 73.5 130.1 102.1	50.0-156 50.0-155 50.0-156 50.0-156 50.0-156 50.0-156	0.0 0.0 0.0 0.0
CRI	Contract Required Detection	Limits	MS100505CR			5 ( T. L.)	1.5.2	i se septembri	10/25/2005	1910
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value -	Calc. Resul	t * Limits	F
Arsenic (As) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.01798 0.01130 0.02111 0.00411 0.00977 0.02059			0.0200 0.010 0.0200 0.0060 0.010 0.0200			89.9 113.0 105.5 68.5 97.7 103.0	50.0-150 50.0-150 50.0-150 50.0-150 50.0-150 50.0-150	0.0 0.0 0.0 0.0
EB	Extraction Blank				141005	Aasta pr	10.00		10/25/2005	1434
	meter/Test Description	QC Result	QC Result	True	Value	Orig.	l Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00674 0.00501 0.00072 0.00125 -0.00210 0.00488 -0.00011								
ICB	Initial Calibration Blank				14/42				10/25/2005	0843
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00084 0.00018 0.00028 0.00227 -0.00232 0.00012 0.00229								
ICV	Initial Calibration Verifica	ntion	MS102005CC		)*. #X				10/25/2005	0839
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr)		0.49769 0.50439 0.50012 0.50469	_	1	0.500 0.500 0.500 0.500			99.5 100.9 100.0 100.9	95.0-105 95.0-105 95.0-105 95.0-105	.0 .0

Page 24 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTROI	L R	ESUL'	r s	Report	Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE				ATTN:	· · · · · · · · · · · · · · · · · · ·		
QC Type	Description		Reag. Code		Lab	ID	Dilut	tion Factor	Date	Time
ICV	Initial Calibration Verifica	ntion	MS102005CC			4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10/25/2005	0839
	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul		<del></del>
Lead (Pb) Selenium (Se) Silver (Ag)	· · · · · · · · · · · · · · · · · · ·	0.49552 0.50041 0.24687			0.500 0.500 0.25			99.1 100.1 98.7	95.0-10 95.0-10 95.0-10	5.0
ISA	Interference Check Sample A		MS100505IA		us AM	y Mi			10/25/2005	0855
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00278 0.00135 -0.00016 0.00556 0.01106 0.02005 0.00019			0.0 0.0 0.0 0.0 0.0 0.0	e de la companya de l	Annual de Mariana (A	, and the second	Blicethe wholesday and balance ad-	and a state of the
ISA	Interference Check Sample A		MS100505IA			449,513			10/25/2005	1914
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00048 0.00165 0.00177 0.00581 0.00241			0.0 0.0 0.0					
-		0.00783 0.00143			0.0					
ISB	Interference Check Sample B	0.00783 0.00143	MS100505IB		0.0		<b>多</b> 製造		10/25/2005	0859
ISB	Interference Check Sample B	0.00783 0.00143	MS100505IB  OC Result	True	0.0	Orig.	Value		10/25/2005 t * Limits	0859 F
ISB		0.00783 0.00143	<u> </u>	True	0.0	Orig.	Value			F 0.0 0.0 0.0 0.0 0.0 0.0
Param  Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se)		0.00783 0.00143 QC Result 0.97597 1.05638 0.49294 1.06614 1.03349 0.98937	<u> </u>	True	0.0 0.0 Value 1.00 1.00 0.500 1.00 1.00	Orig.	Value	97.6 105.6 98.6 106.6 103.3 98.9	* Limits 80.0-12 80.0-12 80.0-12 80.0-12 80.0-12 80.0-12	F 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Param  Arsenic (As) Barium (Ba) Cachmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)	eter/Test Description	0.00783 0.00143 QC Result 0.97597 1.05638 0.49294 1.06614 1.03349 0.98937	QC Result		0.0 0.0 Value 1.00 1.00 0.500 1.00 1.00	Orig.		97.6 105.6 98.6 106.6 103.3 98.9 111.2	* Limits 80.0-12: 80.0-12: 80.0-12: 80.0-12: 80.0-12: 80.0-12:	F 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Page 25 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Jo	o Number.: 304654	QUALITY	CONTRO	L R	ESULT	S	Report	Date.: 10/2	8/2005	
CUSTOMER: T3 En	ergy Services	PROJEC	OT: SUMP WASTI	3			ATTN:			
QC Type	Description		Reag. Coo	ie	Lab	ID	Dilut	ion Factor	Date	Time
							Ť	. 1	10 (05 (0005	1010
	terference Check Sample I		MS100505IB				<u> </u>		10/25/2005	
	r/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul		
ilver (Ag)		0.57619			0.500			115.2	80.0-12	0.0
LCS Lal	poratory Control Sample		MSPIKE3		141005				10/25/2005	1430
Paramete	r/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
senic (As)		0.98926			1.00			98.9	85.0-11	
rium (Ba)		0.95112			1.00			95.1	85.0-11	
dmium (Cd) romium (Cr)		0.51103 1.03003			0.500 1.00			102.2 103.0	85.0-11 85.0-11	
	Net to this wild below to the best of the contract of the best of the same of the best of the same of the same of the best of the best of the best of the same of the best o								85.0-11 85.0-11	
lenium (Se)		0.97576			1.00			97.6	85.0-11	
lver (Ag)		0.49256			0.500			98.5	85.0-11	
MD Met	thod Duplicate		145,034.16	fja -	304370-1	Y. 49			10/25/2005	1442
Paramete	/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
senic (As), TCLI	?	0.01068	0.01229				0.01229	0.0016	0.02000	
rium (Ba), TCLP		0.86758	0.89316				0.89316	2.9	20	
dmium (Cd), TCLI	?	0.00058	0.00067		•		0.00067	0.0000	0.00500	
romium (Cr), TCI	JP .	0.00352	0.00279				0.00279	0.0007		
ad (Pb), TCLP		0.00438	0.00335				0.00335	0.0010		
lenium (Se), TCI	.P	0.00548	0.00533				0.00533	0.0001		
lver (Ag), TCLP		-0.00028	0.00090				0.00090	0.00118	0.01000	
MD Met	hod Duplicate		\$3.50 X		304673-1		a mat		10/25/2005	1610
Parameter	/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
senic (As), TCLE	)	0.06878	0.06697				0.06697	0.0018	0.02000	
rium (Ba), TCLP		1.00290	1.01573				1.01573	1.3	20	
dmium (Cd), TCLE		0.00503	0.00490				0.00490	0.00013		
romium (Cr), TCI	₽.	0.01920	0.01939				0.01939	0.00019		
ad (Pb), TCLP	_	5.47464	5.40316				5.40316	1.3	20	
lenium (Se), TCI	₽	0.01015	0.00997				0.00997	0.00018		
lver (Ag), TCLP		0.00103	0.00099				0.00099	0.00004	0.01000	
MS Mat	rix Spike		MSPIKE3	5.5	304370-1				10/25/2005	1446
Parameter	/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
senic (As), TCLE	,	0.96968			1.00		0.01229	95.7	75-12	5
rium (Ba), TCLP		1.91303			1.00		0.89316	102.0	75-12	
dmium (Cd), TCLE		0.49898			0.500		0.00067	99.7	75-12	
romium (Cr), TCI	.P	1.08308			1.00		0.00279	108.0	75-12	
ad (Pb), TCLP	_	1.04610			1.00		0.00335	104.3	75-12	
lenium (Se), TCI	¥.	0.98791			1.00		0.00533	98.3	75-12	ວ
lver (Ag), TCLP		0.54781			0.500		0.00090	109.4	75-12	_

Page 26 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

									_	
	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	S	Report	Date.: 10/2	3/2005	
CUSTOMER: T	3 Energy Services	PROJEC	T: SUMP WASTE				ATTN:			
QC Type	Description		Reag. Code		Lab	ID	Dilut	ion Factor	Date T	ime
MS	Matrix Spike		MSPIKE3		304673-1			j. 1 24	10/25/2005	1614
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	F
Arsenic (As), Barium (Ba), T Cadmium (Cd), Chromium (Cr), Lead (Pb), TCI Selenium (Se), Silver (Ag), T	TCLP TCLP , TCLP LP , TCLP	1.04510 2.03002 0.51367 1.09643 6.37642 1.02479 0.55038			1.00 1.00 0.500 1.00 1.00 1.00 0.500		0.06697 1.01573 0.00490 0.01939 5.40316 0.00997 0.00099	97.8 101.4 101.8 107.7 97.3 101.5	75-125 75-125 75-125 75-125 75-125 75-125 75-125	
MSD	Matrix Spike Duplicate		MSPIKE3		304370-1	lija:		nijem jiranje	10/25/2005	1450
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	t * Limits	F
Arsenic (As),	TCLP .	0.95362	0.96968		1.00		0.01229	94.1	75-125 20	
Barium (Ba), I	CLP	1.88126	1.91303		1.00		0.89316	98.8	75-125 20	
Cadmium (Cd),	TCLP	0.49228	0.49898		0.500		0.00067	3.2 98.3	75-125	
Chromium (Cr),	TCLP	1.06925	1.08308		1.00	•	0.00279	1.4 106.6	20 75-125	
Lead (Pb), TCI	"P	1.03317	1.04610		1.00		0.00335	1.3 103.0	20 75–125	
Selenium (Se),	TCLP	0.98172	0.98791		1.00		0.00533	1.3 97.6	20 75-125	
Silver (Ag), T	CCLP	0.54172	0.54781		0.500		0.00090	0.7 108.2 1.1	20 75–125 20	
MSD	Matrix Spike Duplicate		MSPIKE3		304673-1				10/25/2005	1618
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Result	* Limits	F
rsenic (As),	TCLP	1.08177	1.04510		1.00		0.06697	101.5 3.7	75-125 20	
Barium (Ba), I	CLP	2.10885	2.03002		1.00		1.01573	109.3	75 <b>-</b> 125	
admium (Cd),	TCLP	0.53193	0.51367		0.500		0.00490	7.5 105.4	75-125	
hromium (Cr),	TCLP	1.13514	1.09643		1.00		0.01939	3.5 111.6	20 75-125	
ead (Pb), TCL	JP	6.69589	6.37642		1.00		5.40316	3.6 129.3	20 75~125	
elenium (Se),	TCLP	1.05407	1.02479		1.00		0.00997	28.2 104.4	20 75–125	С
ilver (Ag), T	CLP	0.56137	0.55038		0.500		0.00099	2.8 112.1 2.0	20 75–125 20	

Page 27 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTROL	R	ESULT	S	Report	Date.: 10/	28/2005	
CUSTOMER: T	3 Energy Services	PROJEK	CT: SUMP WASTE			:	ATIN:			
QC Type	Descriptio	on	Reag. Code		Lab	ID	Dilut	ion Factor	Date	Time
PB	Prep. Blank				141005				10/25/2005	1427
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		-0.00277 -0.00010 0.00097 0.00171 -0.00073 0.00050 -0.00033		****					-	
PDS	Post Digestion Spike		MSPIKE3		304370-1				10/25/2005	1633
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limits	s F
Arsenic (As), Barium (Ba), 7 Cadmium (Cd), Chromium (Cr), Lead (Pb), TCI Selenium (Se), Silver (Ag), 7	rclp Tclp Tclp IP Tclp	0.97866 1.96507 0.50361 1.06812 1.05694 1.00850 0.54969			1.00 1.00 0.500 1.00 1.00 1.00 0.500		0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	107.2 100.6 106.5 105.4 100.3	75-12 75-12 75-12 75-12 75-12 75-12	25 25 25 25 25 25
so so	Calibration Blank								10/25/2005	0826
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resu	lt * Limits	s F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Selenium (Se) Silver (Ag)		0.00387 0.00033 -0.01817 -0.00020 0.00024 0.00023 -0.00719								
SD	Serial Dilution				304370-1		5		10/25/2005	1637
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	lt * Limits	3 F
Arsenic (As), Barium (Ba), T Cadmium (Cd), Chromium (Cr), Lead (Pb), TCL Selenium (Se), Silver (Ag), T	CLP TCLP TCLP P TCLP	0.00166 0.20259 0.00073 0.00166 0.00185 0.00550 0.00081					0.01229 0.89316 0.00067 0.00279 0.00335 0.00533 0.00090	32.5 13.4 444.8 197.5 176.1 415.9	10.0	e

Page 28 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	T S	Repor	t Date.: 10/2	28/2005	
CUSTOMER: T3	Energy Services	PROJEC	CT: SUMP WASTE				ATTN:			
QC Type	Description		Reag. Cod	e	Lak	ID	Dilu	tion Factor	Date	Time
STD	Spiked Blank Duplicate								10/25/200	05 0831
Param	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	lt * Limi	ts F
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Silver (Ag)		2.99436 0.60791 17.20330 0.66129 0.55787								
	: SW-846 8270C ription.: Semivolatile Organi	Lcs			: u 141227 1			Analys	st: acn	
LCS	Laboratory Control Sample		SVS101405M		141127				10/27/200	05 0958
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig. V	Value	Calc. Resul	t * Limi	ts F
	ene, TCLP diene, TCLP ne, TCLP TCLP (o-Cresol), TCLP (p-Cresol), TCLP ophenol, TCLP ophenol, TCLP	96.8503 104.350 86.7255 97.1624 64.8490 57.7231 110.430 98.2382 94.5779 50.3486		1 1 1 1 1 1 1	00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0			104.9 96.9 104.3 86.7 97.2 64.8 57.7 110.4 98.2 94.6 50.3	24- 36- 42- 37- 29- 20- 49-	-134 -117 -143
МВ	Method Blank		SVS090105A		141127	AJJ II.,			10/27/200	5 0924
Param	eter/Test Description	QC Result	QC Result	True	Value	Orig. V	/alue	Calc. Resul	t * Limi	ts F
	ene, TCLP diene, TCLP ne, TCLP TCLP (o-Cresol), TCLP (p-Cresol), TCLP nol, TCLP ophenol, TCLP	0 0 0 0 0 0 0 0 0								
MS	Matrix Spike		SVS101405M		304654-	1		Carlyan (Collanda)	10/27/200	15 11/1
	eter/Test Description	QC Result	QC Result	True	Value	Orig. V	/alue	Calc. Resul		
2,4-Dinitrotolu Hexachlorobuta Hexachlorobuta Hexachloroethau Jitrobenzene, "	uene, TCLP ene, TCLP diene, TCLP ne, TCLP	77.1020 92.9560 87.8460 71.0198 159.169		1 1 1 1	00.0 00.0 00.0 00.0 00.0	((	) ) )	77 93 88 71 159	29- 46- 26- 25-	-135 -139 -115 -225 -142 A

Page 29 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

										<del></del>
	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT		Report	Date.: 10/	28/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE				ATTN:			
QC Type	Description		Reag. Code	е	Lab	ID	Dilut	ion Factor	Date	Time
			<u> </u>							
MS	Matrix Spike		SVS101405M		304654-1			. E Taylor	10/27/2005	1141
Para	meter/Test Description	QC Result	QC Result	True	e Value	Orig. V	alue	Calc. Resu	lt * Limits	F
	l (o-Cresol), TCLP	71.2192			100.0	C		71	26-95	
	l (p-Cresol), TCLP	141.172			100.0		.856	34	11-11	_
Pentachlorophe	enol, TCLP rophenol, TCLP	108.002 70.8857			L00.0 L00.0	0		108 71	38-14 38-13	
	rophenol, TCLP	82.5349			100.0	. 0		83	35-13	
Pyridine, TCL		35.1332			100.0	Ö		35	23-76	
MSD	Matrix Spike Duplicate		SVS101405M		304654-1				10/27/2005	1215
Parar	meter/Test Description	QC Result	QC Result	True	-Value	Orig. V	alue	Calc. Resu	lt * Limits	F
2,4-Dinitroto	luene, TCLP	87.6542	77.1020	]	100.0	0		88	29-13	5
Marin alb I ample on	TOTAL STATE	104 277	00 0500	-	100 0	_		12.8	45.0	
Hexachloroben	zene, TCLP	104.277	92.9560	J	100.0	C	'	104 11.5	46-13 50.0	9
Hexachlorobuta	adiene, TCLP	84.1898	87.8460	1	100.0	0		84	26-11	.5
Hexachloroetha	ane, TCLP	76.5592	71.0198		100.0	0		4.3 77	50.0 25-22	5
Nitrobenzene,	TCLP	144.497	159.169	1	100.0	0		7.5 144	50.0 24-14	2 A
2-Methylphenol	l (o-Cresol), TCLP	64.0907	71.2192	1	100.0	0		9.7 64	50.0 26-95	i
4-Methylphenol	l (p-Cresol), TCLP	138.497	141.172	1	100.0	106	.856	10.5 32	50.0 11-11	2 .
Pentachlorophe	enol, TCLP	107.853	108.002	1	100.0	0		1.9 108	50.0 38-14	.0
2,4,5-Trichlor		68.1822	70.8857		.00.0	0		0.1 68	49.0 38-13	10
	-					-		3.9	50.0	
2,4,6-Trichlor	rophenol, TCLP	98.7542	82.5349	1	.00.0	0		99 17.9	35 <b>-</b> 13 50.0	6
Pyridine, TCLE	•	45.1922	35.1332	1	0.00	0		45 25.0	23-76 50.0	i
							· 			
PB	Prep. Blank		SVS090105A		141127				10/27/2005	1032
Paran	meter/Test Description	QC Result	QC Result	True	. Value	Orig. V	alue	Calc. Resu	lt * Limits	F
2,4-Dinitrotol		0								
Hexachlorobenz		0								
Hexachlorobuta Hexachloroetha		0 0								
nexacnioroetha Nitrobenzene,		0								
	(o-Cresol), TCLP	ŏ								
4-Methylphenol	(p-Cresol), TCLP	0								
Pentachlorophe	enol, TCLP	0								
2,4,5-Trichlor		0								
2,4,6-Trichlor Pyridine, TCLF		0 0								
TATTOTHE, ICHE	•	v								

Page 30 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	T S	Repor	t Date.: 10/2	28/2005	
CUSTOMER: T	3 Energy Services	PROJEC	CT: SUMP WASTE				ATTN:			
QC Type	Description		Reag. Cod	e	Lak	D	Dilut	tion Factor	Date	Time
РВ	Prep. Blank		svs090105A	2.7	141127				10/27/2005	1505
Para	meter/Test Description	QC Result	QC Result	True	value	Orig.	Value	Calc. Resul	lt * Limits	s F
2,4-Dinitroto	luene, TCLP									
Hexachloroben		0								
Hexachlorobut	adiene, TCLP	0								
Hexachloroeth		0								
Nitrobenzene,		0								
	l (o-Cresol), TCLP	ŏ								
	l (p-Cresol), TCLP	ŏ								
Pentachlorophe		ŏ								
	rophenol, TCLP	0								
	rophenol, TCLP	0								
Pyridine, TCL		0								
ryriume, ich	E									comment of the contract of the
PB	Prep. Blank		SVS090105A		141127		. Calva		10/27/2005	1539
Parar	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	s F
2,4-Dinitroto	luene, TCLP	0								
Hexachloroben		0								
Hexachlorobuta	•	0								
Hexachloroetha		Ô								
Nitrobenzene,	•	0								
	l (o-Cresol), TCLP	Ō								
	l (p-Cresol), TCLP	Ö								
Pentachlorophe		ŏ								
	rophenol, TCLP	Ö								
	rophenol, TCLP	0								
		0								
Pyridine, TCLE		<b>U</b> ,								
	: SW-846 8260B ription: Volatile Organics		Units Batch(s		: u 141257	g/L		Analys	st: yxl	
·									· · · · · · · · · · · · · · · · · · ·	
LCS	Laboratory Control Sample		VS101805E						10/25/2005	1213
Paran	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limits	s F
Benzene, Water		46.7184			50.00	N	ID	93.4	68-12	27
•	nloride, Water	45.9857			50.00	N	ID.	92.0	54-14	
Chlorobenzene,		45.5183			50.00		ID.	91.0	65-12	
Chloroform, Wa		39.5888			50.00	N	ID .	79.2	71-13	31
1,4-Dichlorobe		49.3423			50.00		ID	98.7	46-14	
1,2-Dichloroet		45.7358			50.00		ID	91.5	65-13	
1,1-Dichloroet		50.1276			50.00		ID	100.3	48-14	-
Tetrachloroeth		46.2243			50.00		ID	92.4	59-13	
Trichloroether		45.5488			50.00		ID ID	91.1	64-13	
Vinvl Chloride	•	33.4228			50.00		ID ID	66.8	35-15	
	Ketone (2-Butanone), Water	42.2335			50.00		ID	84.5	38-18	-
	Course (2 Dacatotic), water	12.2000				I.		34.3	50-10	, ,

	Job Number.: 304654	QUALITY	CONTRO	L R	ESUL	TS	Report	Date.: 10/2	8/2005	
CUSTOMER: I	3 Energy Services	PROJE	CT: SUMP WASTE	3			ATIN:			
QC Type	Description		Reag. Cod	ie	Lab	ID	Dilut	ion Factor	Date	Time
LCS	Laboratory Control Sample		VS101805E						10/26/200	5 120
l Para	meter/Test Description	QC Result	QC Result	True	value	Orig. '	Value	Calc. Resul	t * Limi	ts
Benzene, Wate	or	47.2082			50.00	N	D	94.4	68-	127
	hloride, Water	46.3891			50.00	N	_	92.8		140
Chlorobenzene		45.9739			50.00	N		91.9		129
Chloroform, W		37.7165			50.00	N		75.4	71-	
	enzene, Water	50.0709			50.00	N.		100.1		142
1,2-Dichloroe		45.1470			50.00	N		90.3		133
1,1-Dichloroe		47.8551			50.00	N.	-	95.7		147
Tetrachloroet		45.4229			50.00	N	_	90.8		134
Trichloroethe		44.8657			50.00	N		89.7		130
Vinyl Chlorid		33.3858			50.00	N		66.8	35-	
	Ketone (2-Butanone), Water	40.7236			50.00	N	D .	81.4		186
Benzene, Wate		QC Result	VS101805C QC Result	True	e Value	Orig.	Value	Calc. Resul	t * Limi	ts
Para Senzene, Wate Carbon Tetrac chlorobenzene chloroform, W 1,4-Dichloroe 1,2-Dichloroe cetrachloroethe Trichloroethe Trichloroethe Trichloroethe Trichloroethe	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water hene, Water ne, Water		1	True	e Value	Orig.	Value	Calc. Resul	t * Limi	ts
Para Senzene, Wate Carbon Tetrac chlorobenzene chloroform, W 1,4-Dichloroe 1,2-Dichloroe cetrachloroethe Trichloroethe Trichloroethe Trichloroethe Trichloroethe	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water nene, Water nen, Water ne, Water e, Water e, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1	True	e Value	Orig.	Value	Calc. Resul	t * Limi	-
Para Benzene, Wate Carbon Tetrac Chlorobenzene Chloroform, W ,4-Dichloroe ,1-Dichloroe ctrachloroether Frichloroether In Chlorid MB	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water hene, Water ne, Water e, Water e, Water e, Water Ketone (2-Butanone), Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result		e Value	Orig. V		Calc. Resul	10/26/200	5 125
Para Menzene, Wate Carbon Tetrace Chlorobenzene Chloroform, W ,4-Dichloroe ,1-Dichloroe Cetrachloroet Crichloroet	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water thene, Water hene, Water e, Water e, Water Ketone (2-Butanone), Water  Method Blank meter/Test Description r	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para Senzene, Wate Carbon Tetrac chlorobenzene chloroform, W .,4-Dichloroe .,2-Dichloroe .,1-Dichloroe richloroethe richloroethe richloroethe MB Para Senzene, Wate Carbon Tetrac	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water nene, Water Meter (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para Senzene, Wate Carbon Tetrac chlorobenzene chloroform, W .,4-Dichloroe .,2-Dichloroe cetrachloroethe rinyl Chlorid dethyl Ethyl  MB  Para senzene, Wate arbon Tetrac chlorobenzene	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water thene, Water nen, Water e, Water Ketone (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water , Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para Senzene, Wate Carbon Tetracc chlorobenzene chloroform, W. ,4-Dichlorobe ,2-Dichloroe ,1-Dichloroe ctrachloroet crichloroethe crinyl Chlorid dethyl Ethyl  MB  Para Senzene, Wate carbon Tetracc chlorobenzene chloroform, W.	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water thene, Water ene, Water e, Water e, Water Method Blank meter/Test Description  r hloride, Water , Water , Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para senzene, Wate carbon Tetrace chlorobenzene chloroform, W. ,4-Dichlorobe ,2-Dichloroe ,1-Dichloroe etrachloroet richloroethe rinyl Chlorid tethyl Ethyl  MB  Para senzene, Wate carbon Tetrach chlorobenzene chloroform, W. ,4-Dichlorob	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water thene, Water hene, Water e, Water e, Water Ketone (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water , Water ater enzene, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para  Menzene, Wate  Carbon Tetrace  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  MB  Para  MB  Para  Menzene, Wate  Carbon Tetrace  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene  Chlorobenzene	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water hene, Water hene, Water e, Water e, Water Ketone (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water ater enzene, Water enzene, Water thane, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para Senzene, Wate Carbon Tetrac chlorobenzene chloroform, W .,4-Dichloroe .,1-Dichloroe cetrachloroethe rinyl Chlorid dethyl Ethyl MB  Para Senzene, Wate arbon Tetrac chloroform, W .,4-Dichlorom, W .,4-Dichlorom, W .,2-Dichloroe .,1-Dichloroe .,1-Dichloroe .,1-Dichloroe .,1-Dichloroe	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water thene, Water ee, Water Ee, Water Ketone (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thane, Water thane, Water thane, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para  Penzene, Wate  Carbon Tetrace  chlorobenzene  Chlorobenzene  chlorobenzene	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water hene, Water ne, Water e, Water (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water ater enzene, Water thane, Water thene, Water thene, Water thene, Water thene, Water hene, Water hene, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para  Menzene, Wate  Carbon Tetrace  Chlorobenzene	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water thene, Water hene, Water e, Water e, Water Ketone (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water , Water enzene, Water thane, Water thene, Water thene, Water hene, Water nee, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125
Para enzene, Wate arbon Tetrace hlorobenzene hloroform, W, 4-Dichloroe ,2-Dichloroe etrachloroettrichloroethe inyl Chlorid ethyl Ethyl  MB  Para  enzene, Wate arbon Tetrace hloroform, W, ,4-Dichloroet ,2-Dichloroet ;2-Dichloroet etrachloroette richloroette inyl Chloride	meter/Test Description  r hloride, Water , Water ater enzene, Water thane, Water thene, Water thene, Water hene, Water e, Water e, Water Ketone (2-Butanone), Water  Method Blank meter/Test Description  r hloride, Water , Water enzene, Water thane, Water thene, Water thene, Water hene, Water nee, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N	QC Result  VS101805C		1				10/26/200	5 125

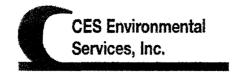
Page 32 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 304654	QUALITY	CONTROI	L R	ESULI		Report	Date.: 10/2	8/2005	
CUSTOMER: T3 Energy Services	PROJEK	CT: SUMP WASTE			· · · · ·	ATIN:		<u></u>	
QC Type Description		Reag. Code		Lab	ID	Diluti	ion Factor	Date 7	rime
MS Matrix Spike		VS101805E	T	304068-1		20.000	000	10/25/2005	1446
Parameter/Test Description	QC Result	QC Result	True	Value	Orig. V	alue	Calc. Resul	t * Limits	F
Benzene, TCLP	51.8847			50.00	ND		104	63-123	
Carbon Tetrachloride, TCLP	48.5867			50.00	ND		97 100	21-138	
Chlorobenzene, TCLP Chloroform, TCLP	51.1318 41.3975			50.00 50.00	ND ND		102 83	61-126 67 <b>-</b> 136	-
1,4-Dichlorobenzene, TCLP	55.8625			50.00	ND		112	58-128	-
1,2-Dichloroethane, TCLP	49.4051			50.00	ND		99	66-135	
1,1-Dichloroethene, TCLP	49.7700			50.00	ND		100	33-130	
Tetrachloroethene, TCLP	48.7699			50.00	ND		98	40-134	
Trichloroethene, TCLP Jinyl Chloride, TCLP	47.6934 33.0244			50.00	ND ND		95 66	43-127	
Methyl Ethyl Ketone (2-Butanone), TCLP	44.2086			50.00 50.00	ND ND		88	9-158 9-15	
				<u> </u>				<del></del>	
MS Matrix Spike		VS101805E		304654-1		20.000	000	10/26/2005	1412
Parameter/Test Description	QC Result	QC Result	True	Value	Orig. V	alue	Calc. Result	t * Limits	F
Benzene, TCLP	57.5586			50.00	ND		115	63-123	
Carbon Tetrachloride, TCLP	55.0612 56.3989			50.00	ND		110	21-138	
Chlorobenzene, TCLP Chloroform, TCLP	46.1820			50.00 50.00	ND ND		113 92	61-126 67-136	
.,4-Dichlorobenzene, TCLP	60.0815			50.00	ND		120	58-128	_
,2-Dichloroethane, TCLP	53.5852			50.00	ND		107	66-135	
,1-Dichloroethene, TCLP	62.3990			50.00	ND		125	33-130	
etrachloroethene, TCLP	56.3581			50.00	ND		113	40-134	
Trichloroethene, TCLP	53.9007 37.9134			50.00	ND		108 76	43~127	
Vinyl Chloride, TCLP Methyl Ethyl Ketone (2-Butanone), TCLP	48.9182			50.00 50.00	ND 3	.56738	91	9-158 9-157	
MSD Matrix Spike Duplicate		VS101805E		304068-1		20.000	000	10/25/2005	1511
Parameter/Test Description	QC Result	QC Result	True	Value	Orig. Va	alue	Calc. Result	* Limits	F
Senzene, TCLP	53.6270	51.8847		50.00	ND		107	63-123	<del></del> _
arbon Tetrachloride, TCLP	53.6936	48.5867	!	50.00	ND		3.3 107	30.0 21-138	3
hlorobenzene, TCLP	52.7794	51.1318	·	50.00	ND		10.0 106	30.0 61-126	6
hloroform, TCLP	42.8249	41.3975		50.00	ND		3.2 86	30.0 67-136	5
,4-Dichlorobenzene, TCLP	58.2154	55.8625		50.00	ND		3.4 116	30.0 58-128	3
,2-Dichloroethane, TCLP	48.2133	49.4051		50.00	ND		4.1 96	30.0 66-135	5
,1-Dichloroethene, TCLP	53.8991	49.7700	ļ	50.00	ND		2.4 108	30.0 33-130	)
etrachloroethene, TCLP	52.6311	48.7699	į	50.00	ND		8.0 105 7.6	30.0 40-134 30.0	4
richloroethene, TCLP	50.8957	47.6934	!	50.00	ND		102 6.5	43-127 30.0	7
inyl Chloride, TCLP	36.0481	33.0244		50.00	ND		72	9-158	2

	Job Number.: 304654	QUALITY	CONTRO	L R	ESULT	S	Report	Date.: 10/2	8/2005	
CUSTOMER: T	3 Energy Services	PROJEK	CT: SUMP WASTE			1	ATTN:	<del> </del>		
QC Type	Description	· · . · . · . · · · · · · · · · · ·	Reag. Code	•	Lab	ID	Dilut	ion Factor	Date '	rime
MSD	Matrix Cailes Danlinets		VS101805E		304068-1		20.00	000	10/25/2005	1511
	Matrix Spike Duplicate meter/Test Description	QC Result	OC Result	True	Value	Orig. V			10/25/2005 t * Limits	1311 . F
	Ketone (2-Butanone), TCLP	39.8191	44.2086	11.00	50.00	NE		80 10.4	9-15 30.0	
MSD	Matrix Spike Duplicate		VS101805E		304654-1		20.00	000	10/26/2005	1438
Para	meter/Test Description	QC Result	QC Result	True	e Value	Orig. V	alue	Calc. Resul	t * Limits	F
Benzene, TCLP		56.9888 55.3042	57.5586 55.0612		50.00	NE NE		114 1.0 111	63-12 30.0 21-13	-
Chlorobenzene	The section of the se	55.7089	56.3989	.v. — — — t vetve	50.00	NE NE		0.4 111	30.0 61-12	
Chloroform, To	CLP	45.9020	46.1820		50.00	NE	)	1.2 92 0.6	30.0 67-13	6
1,4-Dichlorob	enzene, TCLP	61.2487	60.0815		50.00	NE	•	122 1.9	30.0 58-12 30.0	3
1,2-Dichloroet	thane, TCLP	53,4239	53.5852		50.00	NE	)	107	66-13: 30.0	5
1,1-Dichloroet	thene, TCLP	57.4294	62.3990		50.00	ND	1	115 8.3	33-13 30.0	0
Tetrachloroeth	nene, TCLP	55.5673	56.3581		50.00	NE	1	111	40-13 30.0	4 .
Trichloroether	ne, TCLP	53.6130	53.9007		50.00	ND	ı	107	43-12° 30.0	7.
Vinyl Chloride	e, TCLP	36.6503	37.9134		50.00	NE	•	73 3.4	9-15 30.0	3
Methyl Ethyl B	Ketone (2-Butanone), TCLP	47.9519	48.9182		50.00	3	.5 <u>6</u> 738	89 2.0	9-15 <sup>3</sup>	7
PB	Prep. Blank		vs101805C				20.00	000	10/26/2005	1230
Paran	meter/Test Description	QC Result	QC Result	True	value	Orig. V	alue	Calc. Resul	t * Limits	F
Benzene, TCLP Carbon Tetrach Chlorobenzene, Chloroform, TC 1,4-Dichlorobe 1,2-Dichloroet Tetrachloroeth Trichloroether Vinyl Chloride Methyl Ethyl F	TCLP CLP enzene, TCLP chane, TCLP chene, TCLP tene, TCLP nene, TCLP	ND ND ND 1,19624 ND ND ND ND ND ND ND ND ND ND ND ND								

Page 34 \* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 304654	GATE RE	COVERI	ES F	REPOF		rt Date.: 1	0/28/2005	
CUSTOMER	: T3 Energy Services	PROJECT: SI	UMP WASTE			ATTN	: Ralph Cas	tillo	_
	thod: Volatile Organics tch(s): 141257			d Code Matrix	.: 8260 .: Water		Prep Batch Equipment	Code: GCMSVOA06	
Lab ID	DT Sample ID		Date	12DCED	BRFLBE	DBRFLM	TOLD8		_
.412572: .412572: .412572: .412572:	L MB		10/25/2005 10/25/2005 10/26/2005 10/26/2005	83.6 85.4 81.5 84.8	102.7 110.2 106.1 104.3	80.6 81.8 79.6 81.0	96.6 102.4 97.5 96.4		
Test	Test Description	Limits							
2DCED RFLBE BRFLM DLD8	1,2-Dichloroethane-d4 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8	70 - 130 70 - 130 70 - 130 70 - 130	0		. « All Philips معظومي برة سيمون بي بر				<b></b>
	chod: Volatile Organics			d Code Matrix			Prep Batch Equipment	Code: GCMSVOA06	
Lab ID	DT Sample ID		Date	12DCED	BRFLBE	DBRFLM	TOLD8		
04654- 1	MS CONTAMINATED SOIL 1 MSD CONTAMINATED SOIL 1 SUMP1 T3-CYPRESS SUMP1 MS SUMP1 T3-CYPRESS SUMP1 MSD SUMP1 T3-CYPRESS SUMP1		10/26/2005 10/25/2005 10/25/2005 10/26/2005 10/26/2005 10/26/2005 10/26/2005	87.3 82.9 79.7 81.3 83.9 81.2 81.9	105.9 109.5 109.2 106.2 108.0 108.7 102.0	83.4 80.4 78.4 78.0 82.4 80.7 77.3	100.4 99.8 98.5 96.1 98.6 98.4 95.4		
l'est	Test Description	Limits							
CDCED RFLBE RFLM DLD8	1,2-Dichloroethane-d4 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8	70 - 130 70 - 130 70 - 130 70 - 130							



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

## **Waste Profile Re-Certification Form**

A L	the state of the s

Customer:

T3 Energy Services - Cypress

Waste Generator:

T3 Energy Services - Cypress

Waste Stream Name:

CES Waste Approval #:

TPH absorbent

Expiration Date:

7/24/2008

HOU-1692

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify. V5(57(09)

Please send new profile as waste stream has changed.

13 Energy Service

adilone Bile

Purchaser Company/Title

5/27/09

The following analysis is required for recertification. Please sumbit results of the following tests.

Analysis is NOT required for recertification.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability